



**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY  
LUCAS COUNTY**

**SINGLE AUDIT**

**FOR THE FISCAL YEAR ENDED JUNE 30, 2023**



**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY  
LUCAS COUNTY  
JUNE 30, 2023**

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LUCAS COUNTY  
JUNE 30, 2023**

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**INDEPENDENT AUDITOR'S REPORT**

Explorers Academy of Science and Technology  
Lucas County  
1850 Airport Highway  
Toledo, Ohio 43609

To the Governing Board:

**Report on the Audit of the Financial Statements**

***Opinion***

We have audited the accompanying financial statements of the Explorers Academy of Science and Technology, Lucas County, Ohio (the Academy), as of and for the year ended June 30, 2023, and the related notes to the financial statements, which collectively comprise the Academy's basic financial statements as listed in the table of contents.

In our opinion, the accompanying financial statements referred to above present fairly, in all material respects, the respective financial position of the Explorers Academy of Science and Technology, Lucas County, Ohio as of June 30, 2023, and the changes in financial position and its cash flows for the year then ended in accordance with the accounting principles generally accepted in the United States of America.

***Basis for Opinion***

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report. We are required to be independent of the Academy, and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

***Responsibilities of Management for the Financial Statements***

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Academy's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

***Auditor's Responsibilities for the Audit of the Financial Statements***

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS and *Government Auditing Standards*, we

- exercise professional judgment and maintain professional skepticism throughout the audit.
- identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Academy's internal control. Accordingly, no such opinion is expressed.
- evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Academy's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

***Required Supplementary Information***

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, and schedules of net pension and other post-employment benefit liabilities and pension and other post-employment benefit contributions be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

***Supplementary information***

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the Academy's basic financial statements. The Schedule of Expenditures of Federal Awards as required by Title 2 U.S. Code of Federal Regulations (CFR) Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards is presented for purposes of additional analysis and is not a required part of the basic financial statements.

Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the Schedule of Expenditures of Federal Awards is fairly stated, in all material respects, in relation to the basic financial statements as a whole.

***Other Reporting Required by Government Auditing Standards***

In accordance with *Government Auditing Standards*, we have also issued our report dated March 22, 2024, on our consideration of the Academy's internal control over financial reporting and our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the Academy's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Academy's internal control over financial reporting and compliance.



Keith Faber  
Auditor of State  
Columbus, Ohio

March 22, 2024

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**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO  
MANAGEMENT’S DISCUSSION AND ANALYSIS  
FOR THE YEAR ENDED JUNE 30, 2023 (UNAUDITED)**

The discussion and analysis of the Explorers Academy of Science and Technology’s (the “Academy”) financial performance provides an overall review of the Academy’s financial activities for the fiscal year ended June 30, 2023. The intent of this discussion and analysis is to look at the Academy’s financial performance as a whole; readers should also review the basic financial statements and notes to the basic financial statements to enhance their understanding of the Academy’s financial performance.

The Management’s Discussion and Analysis (the MD&A) is an element of the reporting model adopted by the Governmental Accounting Standards Board (GASB) in their Statement No. 34 Basic Financial Statements – and Management’s Discussion and Analysis – for State and Local Governments. Certain comparative information between the current fiscal year and the prior fiscal year is required to be presented in the MD&A.

**HIGHLIGHTS**

The Academy finished its second year of operations during fiscal year 2023 serving grades kindergarten through seventh grade. Enrollment varied during the year but finished with 179 full time equivalent students.

Key highlights for fiscal year 2023 are as follows:

- Net Position was \$302,835.
- Total Assets were \$1,561,167.
- Total Liabilities were \$2,125,440.
- Total Revenues were \$3,162,958 and total expenses \$3,006,169.

**USING THIS ANNUAL REPORT**

This report consists of three parts: the required supplemental information, the basic financial statements, and notes to those statements. The basic financial statements include a Statement of Net Position, a Statement of Revenues, Expenses and Change in Net Position, and a Statement of Cash Flows.

The Statement of Net Position and Statement of Revenues, Expenses, and Change in Net Position reflect how the Academy did financially during fiscal year 2023. These statements include all assets, deferred outflows of resources, liabilities, and deferred inflows of resources, using the accrual basis of accounting similar to the accounting used by most private-sector companies. This basis of accounting includes all of the current year revenues and expenses regardless of when cash is received or paid.

These statements report the Academy’s net position and changes in that position. This change in net position is important because it tells the reader whether the financial position of the Academy has improved or diminished. The causes of this change may be the result of many factors, some financial, some not. Non-financial factors include the Academy’s student enrollment, per-pupil funding as determined by the State of Ohio, change in technology, required educational programs and other factors.

The Academy uses enterprise presentation for all of its activities.

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO  
MANAGEMENT’S DISCUSSION AND ANALYSIS  
FOR THE YEAR ENDED JUNE 30, 2023 (UNAUDITED)**

**Statement of Net Position** - The Statement of Net Position answers the question of how the Academy did financially through June 30, 2023. This statement includes all assets, deferred outflows of resources, liabilities, and deferred inflows of resources, both financial and capital, and short-term and long-term using the accrual basis of accounting and economic resource focus, which is similar to the accounting used by most private-sector companies. This basis of accounting takes into account all revenues and expenses during the year, regardless of when the cash is received or paid. The following schedule provides a summary Statement of Net Position for fiscal years ended June 30, 2023 and 2022 for the Academy.

**Table 1  
Net Position**

	<u>2023</u>	<u>2022</u>
Current Assets	\$ 490,832	\$ 209,715
Non-Current Assets	1,070,335	227,171
<b>Total assets</b>	<u>1,561,167</u>	<u>436,886</u>
<b>Deferred Outflows of Resources</b>	<u>1,098,223</u>	<u>88,800</u>
Current Liabilities	522,020	379,640
Non-Current Liabilities	1,603,420	-
<b>Total liabilities</b>	<u>2,125,440</u>	<u>379,640</u>
<b>Deferred Inflows of Resources</b>	<u>231,115</u>	<u>-</u>
<b>Net Position:</b>		
Invested in Capital Assets	410,183	227,171
Unrestricted Net Position	(107,348)	(81,125)
<b>Total Net Position</b>	<u>\$ 302,835</u>	<u>\$ 146,046</u>

Over time, net position can serve as a useful indicator of a government’s financial position. At June 30, 2023, the Academy’s net position totaled \$302,835. Cash and cash equivalents increased in 2023 due to operations. Intergovernmental receivables decreased in 2023 due to timing when receivables were received. Current liabilities increased in 2023 primarily to the increase in accounts payable, accrued wages and benefits, and current portion of lease payable. Long term liabilities increased due implementation of GASB Statement 87 due the new lease signed by the school for the facilities in addition to increases in accruals related to implementation of GASB Statement No. 68/75 due the school being open during a measurement period.

The Academy has adopted GASB Statement 68, “Accounting and Financial Reporting for Pensions—an Amendment of GASB Statement 27,” and GASB Statement 75, “Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions,” which significantly revises accounting for costs and liabilities related to other postemployment benefits (OPEB). For reasons discussed below, many end users of this financial statement will gain a clearer understanding of the Academy’s actual financial condition by adding deferred inflows related to pension and OPEB, the net pension liability and the net OPEB liability to the reported net position and subtracting deferred outflows related to pension and OPEB and net OPEB asset.

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO  
MANAGEMENT’S DISCUSSION AND ANALYSIS  
FOR THE YEAR ENDED JUNE 30, 2023 (UNAUDITED)**

Governmental Accounting Standards Board standards are national and apply to all government financial reports prepared in accordance with generally accepted accounting principles. Prior accounting for pensions (GASB 27) and postemployment benefits (GASB 45) focused on a funding approach. This approach limited pension and OPEB costs to contributions annually required by law, which may or may not be sufficient to fully fund each plan’s *net pension liability* or *net OPEB asset/liability*. GASB 68 and GASB 75 take an earnings approach to pension and OPEB accounting; however, the nature of Ohio’s statewide pension/OPEB plans and state law governing those systems requires additional explanation in order to properly understand the information presented in these statements.

GASB 68 and GASB 75 require the net pension liability and the net OPEB asset/liability to equal the Academy’s proportionate share of each plan’s collective:

1. Present value of estimated future pension/OPEB benefits attributable to active and inactive employees’ past service.
2. Minus plan assets available to pay these benefits.

GASB notes that pension and OPEB obligations, whether funded or unfunded, are part of the “employment exchange” – that is, the employee is trading his or her labor in exchange for wages, benefits, and the promise of a future pension and other postemployment benefits. GASB noted that the unfunded portion of this promise is a present obligation of the government, part of a bargained-for benefit to the employee, and should accordingly be reported by the government as a liability since they received the benefit of the exchange. However, the Academy is not responsible for certain key factors affecting the balance of these liabilities. In Ohio, the employee shares the obligation of funding pension benefits with the employer. Both employer and employee contribution rates are capped by State statute. A change in these caps requires action of both Houses of the General Assembly and approval of the Governor. Benefit provisions are also determined by State statute. The Ohio revised Code permits, but does not require the retirement systems to provide healthcare to eligible benefit recipients. The retirement systems may allocate a portion of the employer contributions to provide for these OPEB benefits.

The employee enters the employment exchange with the knowledge that the employer’s promise is limited not by contract but by law. The employer enters the exchange also knowing that there is a specific, legal limit to its contribution to the retirement system. In Ohio, there is no legal means to enforce the unfunded liability of the pension/OPEB plan *as against the public employer*. State law operates to mitigate/lessen the moral obligation of the public employer to the employee, because all parties enter the employment exchange with notice as to the law. The retirement system is responsible for the administration of the pension and OPEB plans.

Most long-term liabilities have set repayment schedules or, in the case of compensated absences (i.e. sick and vacation leave), are satisfied through paid time-off or termination payments. There is no repayment schedule for the net pension liability or the net OPEB asset/liability. As explained above, changes in benefits, contribution rates, and return on investments affect the balance of these liabilities, but are outside the control of the local government. In the event that contributions, investment returns, and other changes are insufficient to keep up with required payments, State statute does not assign/identify the responsible party for the unfunded portion. Due to the unique nature of how the net pension liability and the net OPEB liability are satisfied, these liabilities are separately identified within the long-term liability section of the statement of net position.

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO  
MANAGEMENT’S DISCUSSION AND ANALYSIS  
FOR THE YEAR ENDED JUNE 30, 2023 (UNAUDITED)**

In accordance with GASB 68 and GASB 75, the Academy’s statements prepared on an accrual basis of accounting include an annual pension expense and an annual OPEB expense for their proportionate share of each plan’s *change* in net pension liability and net OPEB asset/liability, respectively, not accounted for as deferred inflows/outflows.

There was a significant change in net pension / OPEB liability / asset for the Academy due the Academy being open during a measurement period (FY22). The fluctuations are due to changes in the actuarial liabilities / assets and related accruals that are passed through to the Academy’s financial statement. All components of pension and OPEB accruals contribute to the fluctuations in deferred outflows / inflows and net pension/OPEB liabilities/asset and are described in more detail in their respective notes.

**Statement of Revenues, Expenses and Changes in Net Position** - Table 2 shows the change in Net Position for fiscal years ended June 30, 2023 and 2022 as well as a listing of revenues and expenses. This change in Net Position is important because it tells the reader that, for the Academy as a whole, the financial position of the Academy has improved or diminished. The cause of this may be the result of many factors, some financial, some not. Non-financial factors include the current laws in Ohio restricting revenue growth, facility conditions, required educational programs and other factors:

**Table 2  
Change in Net Position**

	<u>2023</u>	<u>2022</u>
<b>Operating Revenues:</b>		
State Aid	\$ 1,669,467	\$ 1,179,177
Miscellaneous	40,081	-
<b>Total Operating Revenues</b>	<u>1,709,548</u>	<u>1,179,177</u>
<b>Operating Expenses:</b>		
Salaries	1,088,176	718,678
Benefits	443,430	28,318
Purchased Services	975,388	781,823
Depreciation	237,690	187,661
Supplies	152,724	85,666
Other Operating Expense	29,481	37,732
<b>Total Operating Expenses</b>	<u>2,926,889</u>	<u>1,839,878</u>
<b>Operating Income (Loss)</b>	(1,217,341)	(660,701)
<b>Non-Operating Revenues and (Expenses):</b>		
Federal and State Restricted Grants	1,453,410	822,704
Interest Expense	(79,280)	(15,957)
Net Nonoperating Revenues and (Expenses)	<u>1,374,130</u>	<u>806,747</u>
<b>Change in Net Position</b>	<u>\$ 156,789</u>	<u>\$ 146,046</u>

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO  
MANAGEMENT’S DISCUSSION AND ANALYSIS  
FOR THE YEAR ENDED JUNE 30, 2023 (UNAUDITED)**

Operating Revenues increased due increases in enrollment during the year. Non-operating revenues increased due an increase in federal and state grants due to additional COVID-19 related grant allocations. Interest expense increased due to payments made on the lease obligations in addition to interest on the advances payable. Purchased services expense changed due to changes in pension and OPEB liabilities and related accruals. Salaries and Benefits increased due to staff increases from the increased enrolment.

**CAPITAL ASSETS**

At the end of fiscal year 2023, the Academy had \$990,459 invested in capital assets (net of accumulated depreciation) for computers, intangible right to use asset-building, and furniture and equipment. For further information regarding the Academy’s capital assets, refer to Note 5 of the basic financial statements.

**ADVANCES PAYABLE AND LONG-TERM OBLIGATIONS**

At June 30, 2023, the Academy had \$156,800 in advances outstanding with Charter School Capital, of which the entire amount is due within one year.

At June 30, 2023, the Academy had \$580,276 in lease obligations outstanding, of which \$36,186 was considered to be current.

For further information regarding the Academy’s debt, refer to Note 6 to the basic financial statements.

**CURRENT FINANCIAL ISSUES**

The School is a community School and is funded through the State of Ohio Foundation Program. The School relies on this, as well as, State and Federal funds as its primary source of revenue. In 2023, the State replaced the existing funding formula with a new formula that was implemented in January 2023 as a result of changes in Ohio law under the passage of HB110. Under the new formula, community schools are funded directly with no deductions or transfers from the student’s district of residence. The funding calculation for community schools uses several concepts and formulas, some of which also apply to traditional school districts. These primarily include Base Cost, Special Education, Disadvantaged Pupil Impact Aid, English Learners and Career Technical Education. Combined, these elements make up the Core Foundation Funding and the change in calculated amounts compared to the funding received in Fiscal Year 2020 are being phased-in at 16.67% in Fiscal Year 2022. The phase-in amount will increase to 33.33% in Fiscal Year 2023. Another key provision of HB 110 provided a guarantee that no school would receive less per pupil in Fiscal Year 2022 than it did in Fiscal Year 2021 as a result of implementing this formula change. Additionally, facility related funding was increased from \$250 per pupil to \$500 per pupil in Fiscal Year 2022 and is expected to remain at this level in Fiscal Year 2023.

In June 2023, the State Legislature passed the 24-25 biennial budget which included significant increases to community school funding, as well as, continuing the graduated phase-in approach initiated in last budget cycle. The phase-in percentage for 2024 and 2025 will be 50% and 66.67% respectively. In addition, schools will see an additional \$500 per student in facility funding, a \$650 per student equity grant for both

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO  
MANAGEMENT’S DISCUSSION AND ANALYSIS  
FOR THE YEAR ENDED JUNE 30, 2023 (UNAUDITED)**

2024 and 2025, and a 12.1% increase in the per student Base Cost, increasing from \$7,352 to \$8,241.

**REQUESTS FOR INFORMATION**

This financial report is designed to provide our citizen’s, taxpayers, investors and creditors with a general overview of the Academy’s finances and to demonstrate accountability for the money it receives. If you have questions about this report or need additional information contact the Academy’s Fiscal Officer, C. David Massa, CPA, of Massa Financial Solutions, LLC, 1850 Airport Highway, Toledo, OH 43609.

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY - LUCAS COUNTY, OHIO**  
**Statement of Net Position**  
**June 30, 2023**

**Assets:**

**Current Assets:**

Cash and Cash Equivalents	\$ 386,039
Accounts Receivable	2,855
Intergovernmental Receivable	101,938
<b>Total Current Assets</b>	<u>490,832</u>

**Noncurrent Assets:**

Net OPEB Asset	79,876
Capital Assets, net of Accumulated Depreciation	990,459
<b>Total Non-Current Assets</b>	<u>1,070,335</u>

**Total Assets** 1,561,167

**Deferred Outflows of Resources:**

Pension (STRS & SERS) Outflows	934,092
OPEB (STRS & SERS) Outflows	164,131
<b>Total Deferred Outflows of Resources</b>	<u>1,098,223</u>

**Liabilities:**

**Current Liabilities:**

Accounts Payable, Trade	181,264
Accrued Expenses	33,485
Accrued Wages and Benefits	114,285
Advances Payable	156,800
Current Portion of Long Term Debt	36,186
<b>Total Current Liabilities</b>	<u>522,020</u>

**Noncurrent Liabilities:**

Net Pension Liability	979,841
Net OPEB Liability	79,489
Non-Current Portion of Long Term Obligations	544,090
<b>Total Noncurrent Liabilities</b>	<u>1,603,420</u>

**Total Liabilities** 2,125,440

**Deferred Inflows of Resources:**

Pension (STRS & SERS)	76,586
OPEB (STRS & SERS)	154,529
<b>Total Deferred Inflows of Resources</b>	<u>231,115</u>

**Net Position:**

Invested in Capital Assets	410,183
Unrestricted Net Position	(107,348)
<b>Total Net Position</b>	<u>\$ 302,835</u>

See Accompanying Notes to the Basic Financial Statements

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY - LUCAS COUNTY, OHIO**  
**Statement of Revenues, Expenses and Changes in Net Position**  
**For the Fiscal Year Ended June 30, 2023**

<b>Operating Revenues:</b>	
State Aid	\$ 1,669,467
Miscellaneous	40,081
<b>Total Operating Revenues</b>	<u>1,709,548</u>
 <b>Operating Expenses:</b>	
Salaries	1,088,176
Fringe Benefits	443,430
Purchased Services	975,388
Supplies	152,724
Depreciation	237,690
Other Operating Expenses	29,481
<b>Total Operating Expenses</b>	<u>2,926,889</u>
 <b>Operating Income (Loss)</b>	 (1,217,341)
 <b>Non-Operating Revenues and (Expenses):</b>	
Interest Expense	(35,580)
Lease Interest Expense	(43,700)
Federal and State Restricted Grants	1,453,410
<b>Net Non-operating Revenues and (Expenses)</b>	<u>1,374,130</u>
 <b>Change in Net Position</b>	 156,789
 <b>Net Position - Beginning of Year</b>	 146,046
<b>Net Position - End of Year</b>	<u><u>\$ 302,835</u></u>

See Accompanying Notes to the Basic Financial Statements



**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY - LUCAS COUNTY, OHIO**  
**Statement of Cash Flows**  
**For the Fiscal Year Ended June 30, 2023**

**CASH FLOWS FROM OPERATING ACTIVITIES**

State Aid Receipts	\$ 1,669,467
Miscellaneous Receipts	40,081
Cash Payments to Employees for Services Provided	(1,065,610)
Cash Payments for Employee Benefits	(282,833)
Cash Payments to Suppliers for Goods and Services	(1,020,368)
Net Cash Provided By (Used For) Operating Activities	(659,263)

**CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES**

Federal and State Grant Receipts	1,488,590
Charter School Capital Cost of Funding	(35,580)
Charter School Capital Advances	940,800
Charter School Capital Redemptions	(945,600)
Net Cash Provided By Noncapital Financing Activities	1,448,210

**CASH FLOWS FROM CAPITAL & RELATED FINANCING ACTIVITIES**

Purchase of Capital Assets	(385,802)
Lease Interest Payments	(43,700)
Lease Principal Payments	(34,900)
Net Cash Provided By (Used For) Capital and Related Financing Activities	(464,402)

**Net Increase/(Decrease) in Cash and Cash Equivalents** 324,545

**Cash and Cash Equivalents - Beginning of the Year** 61,494

**Cash and Cash Equivalents - Ending of the Year** \$ 386,039

**Non-Cash Transaction**

During the year, the Academy had a non-cash transaction of \$615,176 related to the implementation of GASB 87.

See Accompanying Notes to the Basic Financial Statements

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY - LUCAS COUNTY, OHIO**  
**Statement of Cash Flows**  
**For the Fiscal Year Ended June 30, 2023**  
(Continued)

<b>Reconciliation of Operating Income (Loss) to Net Cash Provided By (Used For) Operating Activities</b>	
Operating Income (Loss)	\$ (1,217,341)
<b>Adjustments to Reconcile Operating Income (Loss) to Net Cash Provided By (Used For) Operating Activities:</b>	
Depreciation	237,690
Changes in Assets, Liabilities, and Deferred Inflows and Outflows:	
(Increase)/ Decrease in Net OPEB Asset	(79,876)
(Increase)/ Decrease in Other Assets	8,248
(Increase)/ Decrease in Deferred Outflows Pension	(849,511)
(Increase)/ Decrease in Deferred Outflows OPEB	(159,912)
Increase/(Decrease) in Accounts Payable, Trade	128,977
Increase/ (Decrease) in Net Pension Liability	979,841
Increase/ (Decrease) in Net OPEB Liability	79,489
Increase/ (Decrease) in Deferred Inflows Pension	76,586
Increase/ (Decrease) in Deferred Inflows OPEB	154,529
Increase/(Decrease) in Accrued Wages and Benefits	22,566
Increase/(Decrease) in Accrued Expenses	(40,549)
<b>Net Cash Provided By (Used For) Operating Activities</b>	<b><u>\$ (659,263)</u></b>

See Accompanying Notes to the Basic Financial Statements

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO  
NOTES TO THE BASIC FINANCIAL STATEMENTS  
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**NOTE 1 – DESCRIPTION OF ACADEMY**

The Explorers Academy of Science and Technology (the “Academy”) is a nonprofit corporation established pursuant to Ohio Revised Code Chapter 3314. The Academy offers education for Ohio children in grades K-7. The Academy is independent of any Academy and is nonsectarian in its programs, admission policies, employment practices, and all other operation. The Academy may lease or acquire facilities as needed and contract for any services necessary for the operation of the Academy.

The Academy was approved for operation under a contract with the St. Aloysius (the Sponsor) for a period of six academic years commencing after July 1, 2021 and ending June 30, 2027. The Sponsor is responsible for evaluating the performance of the Academy and has the authority to deny renewal of the contract at its expiration or terminate the contract prior to its expiration.

Ohio Revised Code Section 3314.02(E) states in part that the Academy operate under the direction of a Governing Board that consists of not less than five individuals who are not owners or employees, or immediate relatives or owners or employees of any for-profit firm that operates or manages an Academy for the Governing Board. The Board is responsible for carrying out the provisions of the contract that include, but are not limited to, state-mandated provision regarding student population, curriculum, academic goals, performance standards, admission standards, and qualification of teachers.

The Academy has contracted with Stellar Learning Consortium for management services including management of personnel and human resources, the program of instruction, marketing data management, purchasing, strategic planning, public relation, financial reporting, recruiting, compliance issues, budgets, contracts, and equipment and facilities.

**NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNT POLICIES**

The financial statements of the Academy have been prepared in conformity with generally accepted accounting principles (GAAP) as applied to governmental units. The Governmental Accounting Standards Board (GASB) is the accepted standard-setting body for establishing governmental accounting and financial reporting principles. The more significant of the Academy’s accounting policies are described below.

**Basis of Presentation** - The Academy’s basic financial statements consist of a statement of net position; a statement of revenues, expenses, and changes in net position; and a statement of cash flows. The Academy uses a single enterprise presentation for its financial records. Enterprise reporting focuses on the determination of operating income, changes in net position, financial position, and cash flows.

**Measurement Focus** - The enterprise activity is accounted for using a flow of economic resources measurement focus. All assets, liabilities, deferred inflows/ outflows of resources associated with the operation of the Academy are included on the statement of net position. The statement of revenues, expenses, and changes in net position presents increases (e.g. revenues) and decreases (e.g. expenses) in net position. The statement of cash flows reflects how the Academy finances meet its cash flow needs.

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**Basis of Accounting** - Basis of accounting determines when transactions are recorded in the financial records and reported on the financial statements. The Academy's financial statements are prepared using the accrual basis of accounting. Revenue resulting from exchange transactions, in which each party gives and receives essentially equal value, is recorded on the accrual basis when the exchange takes place. Revenue resulting from nonexchange transactions, in which Academy receives value without directly giving equal value in return, such as grants and entitlements, are recognized in the period in which all eligibility requirements have been satisfied. Eligibility requirements include timing requirements, which specify the period when the resources are required to be used or the period when use is first permitted, matching requirements, in which the Academy must provide local resources to be used for a specified purpose, and expenditure requirements, in which the resources are provided to the Academy on a reimbursement basis. Expenses are recognized at the time they are incurred.

**Budgetary Process** - Community schools are statutorily required to adopt a budget by Ohio Revised Code 3314.032(C). However, unlike traditional public schools located in the State of Ohio, community schools are not required to follow the specific budgetary process and limits set forth in the Ohio Revised Code Chapter 5705, unless specifically provided in the contract between the School and its Sponsor. The contract between the Academy and its Sponsor does not require the Academy to follow the provisions Ohio Revised Code Chapter 5705; therefore, no budgetary information is presented in the basic financial statements.

**Implementation of New Accounting Principles** - For the fiscal year ended June 30, 2023, the School has implemented Governmental Accounting Standards Board (GASB) Statement No. 94, Public-Private and Public-Public Partnerships and Availability Payment Arrangements, GASB Statement No. 96, Subscription-Based Information Technology Arrangements and certain provisions of GASB Statement No. 99, Omnibus2022. The implementation of GASB Statements Nos. 94, 96, and 99 did not have an effect on the financial statements of the School.

**Cash and Cash Equivalents** - All cash received by the Academy is maintained in a demand deposit account and a money market account.

**Prepaid Items** - The Academy records payments made to vendors for services that will benefit periods beyond June 30, 2023, as prepaid items using the consumption method. A current asset for the prepaid amount is recorded at the time of the purchase and an expense is reported in the year in which services are consumed. No prepaid items were recorded in fiscal year 2023.

**Capital Assets** - The Academy's capital assets during fiscal year 2023 consisted of computers and software, furniture and equipment, and intangible right to use asset-building. All capital assets are capitalized at cost and updated for additions and retirements during the fiscal year. Donated capital assets are recorded at their acquisition value as of the date received. The Academy maintains a capitalization threshold of \$5,000. The Academy does not have any infrastructure. The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend an asset's life are not capitalized.

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**  
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All capital assets, except for construction in progress are depreciated. Improvements are depreciated over the remaining useful lives of the related capital assets. Depreciation is computed using the straight-line method over the following useful lives:

Description	Useful Lives
Computers & Software	3 years
Furniture & Equipment	3-5 years
Building	40 years

The Academy is reporting an intangible right to use assets related to leased buildings, structures, and improvements. These intangible assets are being amortized in a systematic and rational manner over the shorter of the lease term or the useful life of the underlying asset.

**Intergovernmental Revenues** - The Academy currently participates in the State Foundation Program. Revenues received from this program are recognized as operating revenues in the accounting period in which all eligibility requirements have been met.

Grants and entitlements are recognized as non-operating revenues in the accounting period in which eligibility requirements have been met.

Eligibility requirements include timing requirements, which specify the year when the resources are required to be used or the fiscal year when use is first permitted, matching requirements, in which the Academy must provide local resources to be used for a specified purpose, and expenditure requirements, in which the resources are provided to the Academy on a reimbursement basis.

The Academy also participates in various federal programs passed through the Ohio Department of Education.

Under the above programs the Academy recorded \$1,669,467 this fiscal year from the State Foundation Program and Casino Tax Revenues and \$1,493,110 from Federal and State Grants.

**Compensated Absences** - Vacation is taken in a manner which corresponds with the Academy calendar; therefore, the Academy does not accrue vacation time as a liability.

Sick/personal leave benefits are earned by full-time employees at the rate of thirteen days per year and cannot be carried into the subsequent years. No accrual for sick time is made since unused time is not paid to employees upon employment termination.

**Accrued Liabilities** - Obligations incurred but unpaid at June 30 are reported as accrued liabilities in the accompanying financial statements. These liabilities consisted of Accounts Payable, Accrued Wages and Benefits, Advances Payable, Accrued Expenses, Unearned Revenue, and Current Portion of Long-Term Debt and totaled \$522,020 at June 30, 2023.

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**  
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**Exchange and Non-Exchange Transactions** - Revenue resulting from exchange transactions, in which each party gives and receives essentially equal value, is recorded on the accrual basis when the exchange takes place. Non-exchange transactions, in which the Academy receives value without directly giving equal value in return, include grants, entitlements and donations. Revenue from grants, entitlements and donations is recognized in the fiscal year in which all eligibility requirements have been satisfied. Eligibility requirements include timing requirements, which specify the year when the resources are required to be used or the fiscal year when use is first permitted, matching requirements, in which the Academy must provide local resources to be used for a specified purpose, and expenditures requirements, in which the resources are provided to the Academy on a reimbursement basis.

**Net Position** - Net position represents the difference between assets, deferred outflows of resources, liabilities, and deferred inflows of resources. Net position is reported as restricted when there are limitations imposed on their use either through the enabling legislation adopted by the Academy or through external restrictions imposed by creditors, grantors, or laws or regulations of other governments. The Academy applies restricted resources first when an expense is incurred for purposes for which both restricted and unrestricted net position is available. The board has not adopted any enabling legislation restricted any resources. Net investment in capital assets, represents capital assets net of accumulated depreciation, and reduced by any obligations used in acquiring those assets.

**Operating Revenues and Expenses** - Operating revenues are those revenues that are generated directly from the primary activity of the Academy. Operating expenses are necessary costs incurred to provide the service that is the primary activity of the Academy. All revenues and expenses not meeting this definition are reported as non-operating.

**Deferred Inflows and Deferred Outflows of Resources** - In addition to assets, the statements of financial position will sometimes report a separate section for deferred outflows of resources. Deferred outflows of resources represent a consumption of net position that applies to a future period and will not be recognized as an outflow of resources (expense/expenditure) until then. For the Academy, deferred outflows of resources are reported on the statement of net position for pension and OPEB. The deferred outflows of resources related to pension and OPEB plans are explained in Notes 9 and 10.

In addition to liabilities, the statements of financial position report a separate section for deferred inflows of resources. Deferred inflows of resources represent an acquisition of net position that applies to a future period and will not be recognized until that time. For the Academy, deferred inflows of resources include pension and OPEB. These amounts are deferred and recognized as an inflow of resources in the period the amounts become available. Deferred inflows of resources related to pension and OPEB plans are reported on the statement of net position. (See Note 9 and 10)

**Pensions/Other Postemployment Benefits (OPEB)** – For purposes of measuring the net pension/OPEB asset/liability, deferred outflows of resources and deferred inflows of resources related to pensions/OPEB, and pension/OPEB expense, information about the fiduciary net position of the pension/OPEB plans and additions to/deductions from their fiduciary net position have been determined on the same basis as they are reported by the pension/OPEB plan. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. The pension/OPEB plans report investments at fair value.

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**  
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**Estimates** - The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. Actual results may differ from those estimates.

**NOTE 3 - CASH AND CASH EQUIVALENTS**

The following information classifies deposits by category of risk as defined in GASB Statement No.3 “Deposits with Financial Institutions, Investments (including Repurchase Agreements) and Reverse Repurchase Agreements,” as amended by GASB Statement No.40, “Deposit, and Investment Risk Disclosures”.

The Academy maintains its cash balances at one financial institution, Huntington Bank in Ohio. The balances are insured by the Federal Deposit Insurance Corporation (FDIC) up to \$250,000, per qualifying account. At June 30, 2023, the book amount of the Academy’s deposits was \$386,039 and the bank balance was \$386,039. Of the bank balance, \$275,000 was covered by Federal Depository Insurance and the remainder was uncollateralized.

**NOTE 4 – RECEIVABLES**

At June 30, 2023, the Academy had intergovernmental receivables of \$101,938. These receivables represent monies due from Federal programs which was not received as of year-end. All receivables are expected to be collected within one year.

**NOTE 5 – CAPITAL ASSETS**

Capital asset activity for the fiscal year ended June 30, 2023, was as follows:

	Balance 06/30/22	Additions	Deletions	Balance 06/30/23
Capital Assets:				
Intangible Right to Use Asset-Building	\$ -	\$ 615,176	\$ -	\$ 615,176
Furniture & Equipment	217,340	285,717	-	503,057
Computers & Software	95,497	100,085	-	195,582
<b>Total Capital Assets</b>	<b>312,837</b>	<b>1,000,978</b>	<b>-</b>	<b>1,313,815</b>
Less Accumulated Depreciation:				
Intangible Right to Use Asset-Building	-	(61,518)	-	(61,518)
Furniture & Equipment	(53,834)	(110,978)	-	(164,812)
Computers & Software	(31,832)	(65,194)	-	(97,026)
<b>Total Accumulated Depreciation</b>	<b>(85,666)</b>	<b>(237,690)</b>	<b>-</b>	<b>(323,356)</b>
<b>Total Capital Assets, Net</b>	<b>\$ 227,171</b>	<b>\$ 763,288</b>	<b>\$ -</b>	<b>\$ 990,459</b>

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**NOTE 6 – ADVANCES PAYABLES & LEASE OBLIGATIONS**

**Advances Payable:** During the fiscal year ending 2023, the Academy received working capital advances from Charter School Capital through a receivables purchase agreement. As the Academy receives its monthly State funding, these advances are repaid, however, the Academy may elect to receive future advances from Charter School Capital by entering into additional agreements. The total interest cost of funding for the year was \$35,580.

A summary of short-term obligations for the Academy at June 30, 2023, is as follows:

	Balance 6/30/2022	Additions	Reductions	Balance 6/30/2023
Charter School Capital	\$ 161,600	\$ 940,800	\$ (945,600)	\$ 156,800

**Lease Obligations:** Effective July 1, 2022, the Academy entered into a lease with Diocese of Toledo Properties Trust, for an initial term of 10 years with an additional two renewal options for three years. Initial base rent was \$6,550 per month increasing \$225 per month annually. The lease contains no adjustment agreement. Under the lease agreement, the Academy is responsible for paying all utilities, maintenance and repairs, and applicable property taxes.

The School has outstanding agreements to lease building space. Due to the implementation of GASB Statement 87, these leases have met the criteria of leases thus requiring them to be recorded by the School. The future lease payments were discounted based on the interest rate implicit in the lease or using the School’s incremental borrowing rate. This discount is being amortized over the life of the lease. Accumulated depreciation on the leased building totaled \$61,518, leaving a net book value of \$553,658.

A summary of lease obligations for the Academy at June 30, 2023, is as follows:

	Balance 6/30/2022	Additions	Reductions	Balance 6/30/2023	Due Within One Year
Lease Obligations	\$ -	\$ 615,176	\$ (34,900)	\$ 580,276	\$ 36,186

A summary of the principal and interest amounts for the remaining leases is as follows:

Year	Principal	Interest	Total
2024	\$ 36,186	\$ 45,114	\$ 81,300
2025	41,990	42,010	84,000
2026	48,277	38,423	86,700
2027	55,085	34,315	89,400
2028	62,458	29,641	92,099
2029 - 2032	336,280	58,819	395,099
Total	\$ 580,276	\$ 248,322	\$ 828,598



**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**  
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**NOTE 7 – RISK MANAGEMENT**

The Academy is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters. During fiscal year 2023, the Academy contracted with Pashley Insurance Agency to obtain insurance coverage with the Hartford Casualty Insurance Company.

General Liability:	
Each Occurrence	\$ 1,000,000
Aggregate Limit	2,000,000
Products - Completed Operations Aggregate Limit	2,000,000
Medical Expense Limit - Any One Person/Occurrence	15,000
Damage to Rented Premises - Each Occurrence	500,000
Personal and Advertising Injury	1,000,000
Automobile Liability:	
Bodily Injury Limit	1,000,000
Excess/Umbrella Liability:	
Each Occurrence	8,000,000
Aggregate Limit	8,000,000
Excess/Umbrella Liability:	
Building & BPP	8,896,500

Settled claims have not exceeded this commercial coverage in any prior two years and there have been no significant reductions in insurance coverage from the prior year.

**NOTE 8 – PURCHASED SERVICES**

For the period July 1, 2022 through June 30, 2023, purchased service expenses were as follows:

<u>Purchased Services</u>	<u>Amount</u>
Professional Services	\$ 690,466
Property Services	74,229
Utilities	31,349
Travel and Meetings	5,918
Communications	62,742
Contractual Trade Services	110,684
	<u>\$ 975,388</u>

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**NOTE 9 - DEFINED BENEFIT PENSION PLAN**

**Net Pension Liability**

The net pension liability reported on the Statement of Net Position represents a liability to employees for pensions. Pensions are a component of exchange transactions—between an employer and its employees—of salaries and benefits for employee services. Pensions are provided to an employee—on a deferred-payment basis—as part of the total compensation package offered by an employer for employee services each financial period. The obligation to sacrifice resources for pensions is a present obligation because it was created as a result of employment exchanges that already have occurred.

The net pension liability represents the School's proportionate share of each pension plan's collective actuarial present value of projected benefit payments attributable to past periods of service, net of each pension plan's fiduciary net position. The net pension liability calculation is dependent on critical long-term variables, including estimated average life expectancies, earnings on investments, cost-of-living adjustments and others. While these estimates use the best information available, unknowable future events require adjusting this estimate annually. Ohio Revised Code limits the School's obligation for this liability to annually required payments. The School cannot control benefit terms or the manner in which pensions are financed; however, the School does receive the benefit of employees' services in exchange for compensation including pension.

GASB 68 assumes the liability is solely the obligation of the employer, because (1) they benefit from employee services; and (2) State statute requires all funding to come from these employers. All contributions to date have come solely from these employers (which also includes costs paid in the form of withholdings from employees). State statute requires the pension plans to amortize unfunded liabilities within 30 years. If the amortization period exceeds 30 years, each pension plan's board must propose corrective action to the State legislature. Any resulting legislative change to benefits or funding could significantly affect the net pension liability. Resulting adjustments to the net pension liability would be effective when the changes are legally enforceable.

The proportionate share of each plan's unfunded benefits is presented as a long-term *net pension liability* on the accrual basis of accounting. Any liability for the contractually-required pension contribution outstanding at the end of the year is included in *accounts payable* on the accrual basis of accounting.

**Plan Description - School Employees Retirement System (SERS)**

***Plan Description***—School non-teaching employees participate in SERS, a cost-sharing, multiple-employer defined benefit pension plan administered by SERS. SERS provides retirement, disability, and survivor benefits, annual cost-of-living adjustments, and death benefits to plan members and beneficiaries.

Authority to establish and amend benefits is provided by Ohio Revised Code Chapter 3309. SERS issues a publicly available, stand-alone financial report that includes financial statements, required supplementary information, and detailed information about SERS' fiduciary net position. That report can be obtained by visiting the SERS website at [www.ohsers.org](http://www.ohsers.org) under Employers/Audit Resources.

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Age and service requirements for retirement are as follows:

	Eligible to Retire on or before August 1, 2017 *	Eligible to Retire on or after August 1, 2017
Full Benefits	Any age with 30 years of service credit Age 60 with 5 years of service credit	Age 67 with 10 years of service credit; or Age 57 with 30 years of service credit
Actuarially Reduced Benefits	Age 60 with 5 years of service credit Age 55 with 25 years of service credit	Age 62 with 10 years of service credit; or Age 60 with 25 years of service credit

\* Members with 25 years of service credit as of August 1, 2017, will be included in this plan.

Annual retirement benefits are calculated based on final average salary multiplied by a percentage that varies based on years of service; 2.2 percent for the first thirty years of service and 2.5 percent for years of service credit over 30. Final average salary is the average of the highest three years of salary.

An individual whose benefit effective date is before April 1, 2018, is eligible for a cost-of-living adjustment (COLA) on the first anniversary date of the benefit. Beginning April 1, 2018, new benefit recipients must wait until the fourth anniversary of their benefit for COLA eligibility. The COLA is added each year to the base benefit amount on the anniversary date of the benefit. The COLA is indexed to the percentage increase in the CPI-W, not to exceed 2.5% and with a floor of 0.0%.

A three-year COLA suspension was in effect for all benefit recipients for calendar years 2018, 2019, and 2020. The Retirement Board approved a 2.5% COLA for calendar year 2023.

Funding Policy – Plan members are required to contribute 10 percent of their annual covered salary and the School is required to contribute 14 percent of annual covered payroll. The contribution requirements of plan members and employers are established and may be amended by the SERS’ Retirement Board up to statutory maximum amounts of 10 percent for plan members and 14 percent for employers. The Retirement Board, acting with the advice of the actuary, allocates the employer contribution rate among four of the System’s funds (Pension Trust Fund, Death Benefit Fund, Medicare B Fund, and Health Care Fund). For the fiscal year ended June 30, 2023, the allocation to pension, death benefits, and Medicare B was the entire 14.0 percent.

The School’s contractually required contribution to SERS was \$53,956 for fiscal year 2023.

**Plan Description - State Teachers Retirement System (STRS)**

**Plan Description** –School licensed teachers and other faculty members participate in STRS Ohio, a cost-sharing, multiple-employer public employee retirement system administered by STRS. STRS provides retirement and disability benefits to members and death and survivor benefits to beneficiaries. STRS issues a stand-alone financial report that includes financial statements, required supplementary information, and detailed information about STRS’ fiduciary net position. That report can be obtained by writing to STRS, 275 E. Broad St., Columbus, OH 43215-3771, by calling (888) 227-7877, or by visiting the STRS Web site at [www.strsoh.org](http://www.strsoh.org).

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO  
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New members have a choice of three retirement plans; a Defined Benefit (DB) Plan, a Defined Contribution (DC) Plan, and a Combined Plan. Benefits are established by Ohio Revised Code Chapter 3307. The DB plan offers an annual retirement allowance based on final average salary multiplied by a percentage that varies based on years of service. Effective August 1, 2015, the calculation is 2.2 percent of final average salary for the five highest years of earnings multiplied by all years of service. Eligibility changes will be phased in until August 1, 2026, when retirement eligibility for unreduced benefits will be five years of service credit and age 65, or 35 years of service credit and at least age 60. Eligibility changes for DB plan members who retire with actuarially reduced benefits will be phased in until August 1, 2023 when retirement eligibility will be five years of qualifying service credit and age 60, or 30 years of service credit at any age.

The DC Plan allows members to place all of their member contributions and 9.53 percent of the 14 percent employer contributions into an investment account. Investment allocation decisions are determined by the member. The remaining 4.47 percent of the 14 percent employer rate is allocated to the defined benefit unfunded liability. A member is eligible to receive a retirement benefit at age 50 and termination of employment. The member may elect to receive a lifetime monthly annuity or a lump sum withdrawal.

The Combined Plan offers features of both the DB Plan and the DC Plan. In the Combined Plan, 12.0 of the 14.0 percent member rates goes to the DC Plan and the remaining 2.0 percent goes to the DB plan. Member contributions to the DC plan are allocated among investment choices by the member, and contributions to the DB plan from the employer and the member are used to fund the defined benefit payment at a reduced level from the regular DB Plan. The defined benefit portion of the Combined Plan payment is payable to a member on or after age 60 with five years of services. The defined contribution portion of the account may be taken as a lump sum payment or converted to a lifetime monthly annuity after termination of employment at age 50 or later.

New members who choose the DC plan or Combined Plan will have another opportunity to reselect a permanent plan during their fifth year of membership. Members may remain in the same plan or transfer to another STRS plan. The optional annuitization of a member's defined contribution account or the defined contribution portion of a member's Combined Plan account to a lifetime benefit results in STRS bearing the risk of investment gain or loss on the account. STRS has therefore included all three plan options in the GASB 68 schedules of employer allocation and pension amounts by employer.

A DB or Combined Plan member with five or more years of credited service who is determined to be disabled may qualify for a disability benefit. Eligible survivors of members who die before service retirement may qualify for monthly benefits. New members on or after July 1, 2013, must have at least ten years of qualifying service credit that apply for disability benefits. Members in the DC Plan who become disabled are entitled only to their account balance. If a member of the DC Plan dies before retirement benefits begin, the member's designated beneficiary is entitled to receive the member's account balance.

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**Funding Policy** – Employer and member contribution rates are established by the State Teachers Retirement Board and limited by Chapter 3307 of the Ohio Revised Code. For the fiscal year ended June 30, 2023, plan members were required to contribute 14 percent of their annual covered salary. The School was required to contribute 14 percent; the entire 14 percent was the portion used to fund pension obligations. The fiscal year 2023 contribution rates were equal to the statutory maximum rates.

The School’s contractually required contributions to STRS was \$94,719 for fiscal year 2023.

**Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions**

The net pension liability was measured as of June 30, 2022, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of that date. The School's proportion of the net pension liability was based on the School's share of contributions to the pension plan relative to the contributions of all participating entities. Following is information related to the proportionate share and pension expense:

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
Proportion of the Net Pension Liability Prior Measurement Date	0.0000000%	0.0000000%	
Proportion of the Net Pension Liability Current Measurement Date	<u>0.0054371%</u>	<u>0.00308483%</u>	
Change in Proportionate Share	<u><u>0.0054371%</u></u>	<u><u>0.00308483%</u></u>	
Proportionate Share of the Net Pension Liability	\$ 294,080	\$ 685,761	\$ 979,841
Pension Expense	\$ 117,708	\$ 237,883	\$ 355,591

Deferred outflows/inflows of resources represent the effect of changes in the net pension liability due to the difference between projected and actual investment earnings, differences between expected and actual actuarial experience, changes in assumptions and changes in the School’s proportion of the collective net pension liability. The deferred outflows and deferred inflows are to be included in pension expense over current and future periods. The difference between projected and actual investment earnings is recognized in pension expense using a straight-line method over a five-year period beginning in the current year. Deferred outflows and deferred inflows resulting from changes in sources other than differences between projected and actual investment earnings are amortized over the average expected remaining service lives of all members (both active and inactive) using the straight-line method. Employer contributions to the pension plan subsequent to the measurement date are also required to be reported as a deferred outflow of resources.

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**  
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At June 30, 2023, the School reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
<b>Deferred Outflows of Resources</b>			
Differences between expected and actual experience	\$ 11,910	\$ 8,777	\$ 20,687
Changes of assumptions	2,902	82,065	84,967
Net difference between projected and actual earnings on pension plan investments	-	23,861	23,861
Changes in proportion and differences between contributions and proportionate share of contributions	202,187	453,715	655,902
Academy contributions subsequent to the measurement date	<u>53,956</u>	<u>94,719</u>	<u>148,675</u>
<b>Total Deferred Outflows of Resources</b>	<u><u>\$ 270,955</u></u>	<u><u>\$ 663,137</u></u>	<u><u>\$ 934,092</u></u>
<b>Deferred Inflows of Resources</b>			
Differences between expected and actual experience	\$ 1,931	\$ 2,623	\$ 4,554
Changes of assumptions	-	61,771	61,771
Net difference between projected and actual earnings on pension plan investments	10,261	-	10,261
Changes in proportion and differences between contributions and proportionate share of contributions	<u>-</u>	<u>-</u>	<u>-</u>
<b>Total Deferred Inflows of Resources</b>	<u><u>\$ 12,192</u></u>	<u><u>\$ 64,394</u></u>	<u><u>\$ 76,586</u></u>

\$148,675 reported as deferred outflows of resources related to pension resulting from Academy contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the fiscal year ending June 30, 2024. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pension will be recognized in pension expense as follows:

Fiscal Year Ending June 30:	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
2024	\$ 103,849	\$ 153,015	\$ 256,864
2025	98,566	148,972	247,538
2026	(14,661)	132,487	117,826
2027	17,053	69,550	86,603
	<u>-</u>	<u>-</u>	<u>-</u>
<b>Total</b>	<u><u>\$ 204,807</u></u>	<u><u>\$ 504,024</u></u>	<u><u>\$ 708,831</u></u>

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**Actuarial Assumptions - SERS**

SERS’ total pension liability was determined by their actuaries in accordance with GASB Statement No. 67 as part of their annual actuarial valuation for each defined benefit retirement plan. Actuarial valuations of an ongoing plan involve estimates of the value of reported amounts (e.g., salaries, credited service) and assumptions about the probability of occurrence of events far into the future (e.g., mortality, disabilities, retirements, employment termination). Actuarially determined amounts are subject to continual review and potential modifications, as actual results are compared with past expectations and new estimates are made about the future.

Projections of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employers and plan members) and include the types of benefits provided at the time of each valuation and the historical pattern of sharing benefit costs between the employers and plan members to that point. The projection of benefits for financial reporting purposes does not explicitly incorporate the potential effects of legal or contractual funding limitations.

Actuarial calculations reflect a long-term perspective. For a newly hired employee, actuarial calculations will take into account the employee’s entire career with the employer and also take into consideration the benefits, if any, paid to the employee after termination of employment until the death of the employee and any applicable contingent annuitant. In many cases actuarial calculations reflect several decades of service with the employer and the payment of benefits after termination.

Key methods and assumptions used in calculating the total pension liability in the latest actuarial valuation, prepared as of June 30, 2021, are presented below:

Wage Inflation	2.40 percent
Future Salary Increases, including inflation	3.25 percent to 13.58 percent
COLA or Ad Hoc COLA	2.0 percent, on and after April 1, 2018, COLA's for future retirees will be delayed for three years following commencement
Investment Rate of Return	7.00 percent net of System expenses
Actuarial Cost Method	Entry Age Normal

Mortality rates were based on the PUB-2010 General Employee Amount Weight Below Median Healthy Retiree mortality table projected to 2017 with ages set forward 1 year and adjusted 94.20% for males and set forward 2 years and adjusted 81.35% for females. Mortality among disable members were based upon the PUB-2010 General Disabled Retiree mortality table projected to 2017 with ages set forward 5 years and adjusted 103.3% for males and set forward 3 years and adjusted 106.8% for females. Future improvement in mortality rates is reflected by applying the MP-2020 projection scale generationally.

The most recent experience study was completed June 30, 2020.

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The long-term return expectation for the Pension Plan Investments has been determined using a building-block approach and assumes a time horizon, as defined in SERS' *Statement of Investment Policy*. A forecasted rate of inflation serves as the baseline for the return expectation. Various real return premiums over the baseline inflation rate have been established for each asset class. The long-term expected nominal rate of return has been determined by calculating a weighted averaged of the expected real return premiums for each asset class, adding the projected inflation rate, and adding the expected return from rebalancing uncorrelated asset classes. The target allocation and best estimates of arithmetic real rates of return for each major asset class are summarized in the following table:

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Long-Term Expected Real Rate of Return</u>
Cash	2.00 %	(0.45) %
US Equity	24.75	5.37
Non-US Equity Developed	13.50	6.22
Non-US Equity Emerging	6.75	8.22
Fixed Income/Global Bonds	19.00	1.20
Private Equity	11.00	10.05
Real Estate/Real Assets	16.00	4.87
Multi-Asset Strategies	4.00	3.39
Private Debt/Private Credit	3.00	5.38
Total	<u>100.00 %</u>	

**Discount Rate** The total pension liability was calculated using the discount rate of 7.00 percent. The projection of cash flows used to determine the discount rate assumed the contributions from employers and from the members would be computed based on contribution requirements as stipulated by State statute. Projected inflows from investment earning were calculated using the long-term assumed investment rate of return (7.00 percent). Based on those assumptions, the plan’s fiduciary net position was projected to be available to make all future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefits to determine the total pension liability.

**Sensitivity of the School's Proportionate Share of the Net Pension Liability to Changes in the Discount Rate** Net pension liability is sensitive to changes in the discount rate, and to illustrate the potential impact the following table presents the net pension liability calculated using the discount rate of 7.00 percent, as well as what each plan’s net pension liability would be if it were calculated using a discount rate that is one percentage point lower (6.00 percent), or one percentage point higher (8.00 percent) than the current rate.

	<u>1% Decrease (6.00%)</u>	<u>Current Discount Rate (7.00%)</u>	<u>1% Increase (8.00%)</u>
Academy's proportionate share of the net pension liability	\$ 432,873	\$ 294,080	\$ 177,150



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**Actuarial Assumptions – STRS**

Key methods and assumptions used in the latest actuarial valuation, reflecting experience study results used in the July 1, 2022, actuarial valuation.

Inflation	2.50 percent
Projected salary increases	Varies by service from 2.5% to 8.5%
Investment Rate of Return	7.00 percent, net of investment expenses, including inflation
Discount Rate of Return	7.00 percent
Payroll Increases	3 percent
Cost-of-Living Adjustments	0.0 percent

Post-retirement mortality rates are based on the Pub-2010 Teachers Healthy Annuitant Mortality Table, adjusted 110% for males, projected forward generationally using mortality improvement scale MP-2020. Pre-retirement mortality rates are based on Pub-2010 Teachers Employee Table adjusted 95% for females, projected forward generationally using mortality improvement scale MP-2020. Post-retirement disabled mortality rates are based on Pub-2010 Teachers Disable Annuitant Table projected forward generationally using mortality improvement scale MP-2020.

Actuarial assumptions used in the June 30, 2022 valuation are based on the results of an actuarial experience study for the period July 1, 2015 through June 30, 2021.

STRS Ohio’s investment consultant develops an estimate range for the investment return assumption based on the target allocation adopted by the Retirement Board. The target allocation and long-term expected rate of return for each major asset class are summarized as follows:

<u>Asset Class</u>	<u>Target Allocation *</u>	<u>Long-Term Expected Real Rate of Return **</u>
Domestic Equity	26.00 %	6.60 %
International Equity	22.00	6.80
Alternatives	19.00	7.38
Fixed Income	22.00	1.75
Real Estate	10.00	5.75
Liquidity Reserves	<u>1.00</u>	1.00
Total	<u><u>100.00 %</u></u>	

\* Target allocation percentage is effective as of July 1, 2022. Target weights were phased in over a 3-month period concluding on October 1, 2022.

\*\* 10-Year annualized geometric nominal returns, which include the real rate of return and inflation of 2.25% and does not include investment expenses. Over a 30-year period, STRS Ohio’s investment consultant indicates that the above target allocations should generate a return above the actuarial rate of return, without net value added by management.

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**Discount Rate** The discount rate used to measure the total pension liability was 7.00 percent as of June 30, 2022. The projection of cash flows used to determine the discount rate assumes member and employer contributions will be made at the statutory contribution rates in accordance with rate increases described above. For this purpose, only employer contributions that are intended to fund benefits of current plan members and their beneficiaries are included. Based on those assumptions, STRS’ fiduciary net position was projected to be available to make all projected future benefit payments to current plan members as of June 30, 2022. Therefore, the long-term expected rate of return on pension plan investments of 7.00 percent was applied to all periods of projected benefit payment to determine the total pension liability as of June 30, 2022

**Sensitivity of the School's Proportionate Share of the Net Pension Liability to Changes in the Discount Rate** The following table presents the School's proportionate share of the net pension liability calculated using the current period discount rate assumption of 7.00 percent, as well as what the School's proportionate share of the net pension liability would be if it were calculated using a discount rate that is one-percentage-point lower (6.00 percent) or one-percentage-point higher (8.00 percent) than the current rate:

	1% Decrease (6.00%)	Current Discount Rate (7.00%)	1% Increase (8.00%)
Academy's proportionate share of the net pension liability	\$ 1,035,936	\$ 685,761	\$ 389,622

**Assumption and Benefit Changes Since the Prior Measurement Date** - Demographic assumptions were changed based on the actuarial experience study for the July 1, 2015, through June 30, 2021. STRS approved a one-time 1.00% cost-of-living adjustment to eligible benefit recipients effective July 1, 2023.

**NOTE 10 – DEFINED BENEFIT OPEB PLANS**

***Net OPEB Liability/Asset***

The net OPEB liability and net OPEB asset reported on the statement of net position represents a liability or asset to employees for OPEB. OPEB is a component of exchange transactions—between an employer and its employees—of salaries and benefits for employee services. OPEB are provided to an employee—on a deferred-payment basis—as part of the total compensation package offered by an employer for employee services each financial period. The obligation to sacrifice resources for OPEB is a present obligation because it was created as a result of employment exchanges that already have occurred.

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The net OPEB liability and net OPEB asset represent the School’s proportionate share of each OPEB plan’s collective actuarial present value of projected benefit payments attributable to past periods of service, net of each OPEB plan’s fiduciary net position. The net OPEB liability and net OPEB asset calculations are dependent on critical long-term variables, including estimated average life expectancies, earnings on investments, cost-of-living adjustments and others. While these estimates use the best information available, unknowable future events require adjusting these estimates annually.

Ohio Revised Code limits the School’s obligation for this liability to annually required payments. The School cannot control benefit terms or the manner in which OPEB are financed; however, the School does receive the benefit of employees’ services in exchange for compensation including OPEB.

GASB 75 assumes the liability is solely the obligation of the employer, because they benefit from employee services. OPEB contributions come from these employers and health care plan enrollees which pay a portion of the health care costs in the form of a monthly premium. The Ohio revised Code permits, but does not require the retirement systems to provide healthcare to eligible benefit recipients. Any change to benefits or funding could significantly affect the net OPEB liability and net OPEB asset. Resulting adjustments to the net OPEB liability and net OPEB asset would be effective when the changes are legally enforceable. The retirement systems may allocate a portion of the employer contributions to provide for these OPEB benefits.

The proportionate share of each plan’s unfunded benefits is presented as a long-term *net OPEB liability* on the accrual basis of accounting. Any liability for the contractually-required OPEB contribution outstanding at the end of the year is included in *accounts payable* on the accrual basis of accounting.

***Plan Description - School Employees Retirement System (SERS)***

Health Care Plan Description - The School contributes to the SERS Health Care Fund, administered by SERS for non-certificated retirees and their beneficiaries. For GASB 75 purposes, this plan is considered a cost-sharing other postemployment benefit (OPEB) plan. SERS’ Health Care Plan provides healthcare benefits to eligible individuals receiving retirement, disability, and survivor benefits, and to their eligible dependents. Members who retire after June 1, 1986, need 10 years of service credit, exclusive of most types of purchased credit, to qualify to participate in SERS’ health care coverage. In addition to age and service retirees, disability benefit recipients and beneficiaries who are receiving monthly benefits due to the death of a member or retiree, are eligible for SERS’ health care coverage. Most retirees and dependents choosing SERS’ health care coverage are over the age of 65 and therefore enrolled in a fully

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insured Medicare Advantage plan; however, SERS maintains a traditional, self-insured preferred provider organization for its non-Medicare retiree population. For both groups, SERS offers a self-insured prescription drug program. Health care is a benefit that is permitted, not mandated, by statute. The financial report of the Plan is included in the SERS Annual Comprehensive Financial Report which can be obtained on SERS' website at [www.ohsers.org](http://www.ohsers.org) under Employers/Audit Resources.

Access to health care for retirees and beneficiaries is permitted in accordance with Section 3309 of the Ohio Revised Code. The Health Care Fund was established and is administered in accordance with Internal Revenue Code Section 105(e). SERS' Retirement Board reserves the right to change or discontinue any health plan or program. Active employee members do not contribute to the Health Care Plan. The SERS Retirement Board established the rules for the premiums paid by the retirees for health care coverage for themselves and their dependents or for their surviving beneficiaries. Premiums vary depending on the plan selected, qualified years of service, Medicare eligibility, and retirement status.

Funding Policy - State statute permits SERS to fund the health care benefits through employer contributions. Each year, after the allocation for statutorily required pensions and benefits, the Retirement Board may allocate the remainder of the employer contribution of 14 percent of covered payroll to the Health Care Fund in accordance with the funding policy. For fiscal year 2023, there was no contribution made to health care. A health care surcharge on employers is collected for employees earning less than an actuarially determined minimum compensation amount, pro-rated if less than a full year of service credit was earned. For fiscal year 2023, this amount was \$25,000. Statutes provide that no employer shall pay a health care surcharge greater than 2 percent of that employer's SERS-covered payroll; nor may SERS collect in aggregate more than 1.5 percent of the total statewide SERS-covered payroll for the health care surcharge.

The surcharge, is the total amount assigned to the Health Care Fund. The School's contractually required contribution to SERS was \$3,584 for fiscal year 2023.

***Plan Description - State Teachers Retirement System (STRS)***

The State Teachers Retirement System of Ohio (STRS) administers a cost-sharing Health Plan administered for eligible retirees who participated in the defined benefit or combined pension plans offered by STRS. Ohio law authorizes STRS to offer this plan. Benefits include hospitalization, physicians' fees, prescription drugs and partial reimbursement of monthly Medicare Part B premiums. Medicare Part B monthly reimbursement elimination date was postponed indefinitely. The Plan is included in the report of STRS which can be obtained by visiting [www.strsoh.org](http://www.strsoh.org) or by calling (888) 227-7877.

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Funding Policy – Ohio Revised Code Chapter 3307 authorizes STRS to offer the Plan and gives the Retirement Board discretionary authority over how much, if any, of the health care costs will be absorbed by STRS. Active employee members do not contribute to the Health Care Plan. Nearly all health care plan enrollees, for the most recent year, pay a portion of the health care costs in the form of a monthly premium. Under Ohio law, funding for post-employment health care may be deducted from employer contributions, currently 14 percent of covered payroll. For the fiscal year ended June 30, 2023, STRS did not allocate any employer contributions to post-employment health care.

***OPEB Liabilities, OPEB Asset, OPEB Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB***

The net OPEB liability and net OPEB asset were measured as of June 30, 2022, and the total OPEB liability and asset used to calculate the net OPEB liability and net OPEB asset were determined by an actuarial valuation as of that date. The School's proportion of the net OPEB liability and net OPEB asset were based on the School's share of contributions to the respective retirement systems relative to the contributions of all participating entities. Following is information related to the proportionate share and OPEB expense:

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
Proportion of the Net OPEB Liability/asset Prior Measurement Date	0.0000000%	0.0000000%	
Proportion of the Net OPEB Liability/asset Current Measurement Date	<u>0.0056615%</u>	<u>0.00308483%</u>	
Change in Proportionate Share	<u>0.0056615%</u>	<u>0.00308483%</u>	
Proportionate Share of the Net OPEB Liability	\$ 79,489	\$ -	\$ 79,489
Proportionate Share of the Net OPEB Asset	\$ -	\$ (79,876)	\$ (79,876)
OPEB Expense	\$ 12,591	\$ (14,777)	\$ (2,186)

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At June 30, 2023, the School reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
<b>Deferred Outflows of Resources</b>			
Differences between expected and actual experience	\$ 668	\$ 1,158	\$ 1,826
Changes of assumptions	12,641	3,403	16,044
Net difference between projected and actual earnings on OPEB plan investments	415	1,392	1,807
Changes in proportion and differences between contributions and proportionate share of contributions	140,870	-	140,870
Academy contributions subsequent to the measurement date	<u>3,584</u>	<u>-</u>	<u>3,584</u>
<b>Total Deferred Outflows of Resources</b>	<u><u>\$ 158,178</u></u>	<u><u>\$ 5,953</u></u>	<u><u>\$ 164,131</u></u>
<b>Deferred Inflows of Resources</b>			
Differences between expected and actual experience	\$ 50,847	\$ 11,997	\$ 62,844
Changes of assumptions	32,630	56,636	89,266
Net difference between projected and actual earnings on OPEB plan investments	-	-	-
Changes in proportion and differences between contributions and proportionate share of contributions	<u>-</u>	<u>2,419</u>	<u>2,419</u>
<b>Total Deferred Inflows of Resources</b>	<u><u>\$ 83,477</u></u>	<u><u>\$ 71,052</u></u>	<u><u>\$ 154,529</u></u>

\$3,584 reported as deferred outflows of resources related to pension resulting from Academy contributions subsequent to the measurement date will be recognized as a reduction of the net OPEB liability in the fiscal year ending June 30, 2024. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense as follows:

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
Fiscal Year Ending June 30:			
2024	\$ 3,989	\$ (18,698)	\$ (14,709)
2025	4,121	(18,421)	(14,300)
2026	6,007	(8,916)	(2,909)
2027	10,918	(3,912)	7,006
2028	13,876	(5,013)	8,863
Thereafter	<u>32,206</u>	<u>(10,139)</u>	<u>22,067</u>
<b>Total</b>	<u><u>\$ 71,117</u></u>	<u><u>\$ (65,099)</u></u>	<u><u>\$ 6,018</u></u>

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**Actuarial Assumptions - SERS**

The total OPEB liability is determined by SERS’ actuaries in accordance with GASB Statement No. 74, as part of their annual actuarial valuation for each retirement plan. Actuarial valuations of an ongoing plan involve estimates of the value of reported amounts (e.g., salaries, credited service) and assumptions about the probability of occurrence of events far into the future (e.g., mortality, disabilities, retirements, employment terminations). Actuarially determined amounts are subject to continual review and potential modifications, as actual results are compared with past expectations and new estimates are made about the future.

Projections of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employers and plan members) and include the types of benefits provided at the time of each valuation and the historical pattern of sharing benefit costs between the employers and plan members to that point. The projection of benefits for financial reporting purposes does not explicitly incorporate the potential effects of legal or contractual funding limitations.

Actuarial calculations reflect a long-term perspective. For a newly hired employee, actuarial calculations will take into account the employee's entire career with the employer and also take into consideration the benefits, if any, paid to the employee after termination of employment until the death of the employee and any applicable contingent annuitant. In many cases, actuarial calculations reflect several decades of service with the employer and the payment of benefits after termination.

Key methods and assumptions used in calculating the total OPEB liability in the latest actuarial valuation date of June 30, 2021, are presented below:

Wage Inflation	2.40 percent
Future Salary Increases, including inflation	3.25 percent to 13.58 percent
Investment Rate of Return	7.00 percent net of investments expense, including inflation
Municipal Bond Index Rate:	
Measurement Date	3.69 percent
Prior Measurement Date	1.92 percent
Single Equivalent Interest Rate, net of plan investment expense, including price inflation	
Measurement Date	4.08 percent
Prior Measurement Date	2.27 percent
Medical Trend Assumption	7.00 to 4.40 percent
Prior Measurement Date	

Base Mortality: Healthy Retirees - PUB-2010 General Employee Amount Weighted Below Median Healthy Retiree mortality table projected to 2017 with ages set forward 1 year and adjusted 94.20% for males and set forward 2 years and adjusted 81.35% for females. Disabled Retirees - PUB-2010 General Disabled Retiree mortality table projected to 2017 with ages set forward 5 years and adjusted 103.3% for males and set forward 3 years and adjusted 106.8% for females. Contingent Survivors - PUB-2010 General Amount Weighted Below Median Contingent Survivor mortality table projected to 2017 with ages set forward 1 year and adjusted 105.5% for males and adjusted 122.5% for females. Actives - PUB-2010 General Amount Weighted Below Median Employee mortality table.

The most recent experience study was completed for the five-year period ended June 30, 2020.

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The long-term expected rate of return on plan assets is reviewed as part of the actuarial five-year experience study. The most recent study covers fiscal years 2015 through 2020, and was adopted by the Board in 2021. Several factors are considered in evaluating the long-term rate of return assumption including long-term historical data, estimates inherent in current market data, and a log-normal distribution analysis in which best-estimate ranges of expected future real rates of return were developed by the investment consultant for each major asset class. These ranges were combined to produce the long-term expected rate of return, 7.00 percent, by weighting the expected future real rates of return by the target asset allocation percentage and then adding expected inflation. The capital market assumptions developed by the investment consultant are intended for use over a 10-year horizon and may not be useful in setting the long-term rate of return for funding pension plans which covers a longer timeframe. The assumption is intended to be a long-term assumption and is not expected to change absent a significant change in the asset allocation, a change in the inflation assumption, or a fundamental change in the market that alters expected returns in future years.

The target asset allocation and best estimates of arithmetic real rates of return for each major asset class, as used in the June 30, 2020 five-year experience study, are summarized as follows:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
Cash	2.00 %	(0.45) %
US Equity	24.75	5.37
Non-US Equity Developed	13.50	6.22
Non-US Equity Emerging	6.75	8.22
Fixed Income/Global Bonds	19.00	1.20
Private Equity	11.00	10.05
Real Estate/Real Assets	16.00	4.87
Multi-Asset Strategy	4.00	3.39
Private Debt/Private Credit	3.00	5.38
Total	100.00 %	

**Discount Rate** The discount rate used to measure the total OPEB liability at June 30,2022 was 4.08 percent. The discount rate used to measure total OPEB liability prior to June 30, 2022 was 2.27 percent. The projection of cash flows used to determine the discount rate assumed that contributions will be made from members and the System at the state statute contribution rate of 1.50 percent of projected covered employee payroll each year, which includes a 1.50 percent payroll surcharge and no contributions from the basic benefits plan. Based on these assumptions, the OPEB plan’s fiduciary net position was projected to become insufficient to make future benefit payments of current System members by SERS actuaries. The Municipal Bond Index Rate is used in the determination for the SEIR for both the June 30, 2022 and the June 30, 2021 total OPEB liability. The Municipal Bond Index rate is the single rate that will generate a present value of benefit payments equal to the sum of the present value determined by the long-term expected rate of return, and the present value determined by discounting those benefits after the date of depletion. The Municipal Bond Index rate is 3.69% at June 30, 2022 and 1.92% at June 30, 2021.



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**Sensitivity of the School's Proportionate Share of the Net OPEB Liability to Changes in the Discount Rate and Changes in the Health Care Cost Trend Rates** The net OPEB liability is sensitive to changes in the discount rate and the health care cost trend rate. The following table presents the net OPEB liability of SERS, what SERS' net OPEB liability would be if it were calculated using a discount rate that is 1 percentage point lower (3.08%) and higher (5.08%) than the current discount rate (4.08%). Also shown is what SERS' net OPEB liability would be based on health care cost trend rates that are 1 percentage point lower (6.00% decreasing to 3.40%) and higher (8.00% decreasing to 5.40%) than the current rate (7.00% decreasing to 4.40%).

	1% Decrease (3.08%)	Current Discount Rate (4.08%)	1% Increase (5.08%)
Academy's proportionate share of the net OPEB liability	\$ 98,725	\$ 79,489	\$ 63,958

  

	1% Decrease (6.00 % decreasing to 3.40%)	Current Trend Rate (7.00 % decreasing to 4.40%)	1% Increase (8.00 % decreasing to 5.40%)
Academy's proportionate share of the net OPEB liability	\$ 61,300	\$ 79,489	\$ 103,245

**Actuarial Assumptions – STRS**

Key methods and assumptions used in the latest actuarial valuation, reflecting experience study results used in the June 30, 2022, actuarial valuation is presented below:

Projected salary increases	Varies by service from 2.5 percent to 8.5 percent	
Investment Rate of Return	7.00 percent, net of investment expenses, including inflation	
Payroll Increases	3 percent	
Cost-of-Living Adjustments	0 percent	
Discount Rate of Return	7.00 percent	
Health Care Cost Trends	Initial	Ultimate
Medical		
Pre-Medicare	7.50 percent	3.94 percent
Medicare	-68.78 percent	3.94 percent
Prescription Drug		
Pre-Medicare	9.00 percent	3.94 percent
Medicare	5.47 percent	3.94 percent

Projections of benefits include the historical pattern of sharing benefit costs between the employers and retired plan members.

For healthy retirees the post-retirement mortality rates are based on the Pub-2010 Teachers Healthy Annuitant Mortality Table, adjusted 110% for males, projected forward generationally using mortality improvement scale MP-2020; pre-retirement mortality rates are based on Pub-2010 Teachers Employee Table adjusted 95% for females, projected forward generationally using mortality improvement scale MP-2020. For disabled retirees, mortality rates are based on the Pub-2010 Teachers Disabled Annuitant Table projected forward generationally using mortality improvement scale MP-2020.

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Actuarial assumptions used in the June 30, 2022 valuation is based on the results of an actuarial experience study for the period July 1, 2015 through June 30, 2021.

STRS' investment consultant develops an estimate range for the investment return assumption based on the target allocation adopted by the Retirement Board. The target allocation and long-term expected rate of return for each major asset class are summarized as follows:

Asset Class	Target Allocation *	Long-Term Expected Rate of Return **
Domestic Equity	26.00 %	6.60 %
International Equity	22.00	6.80
Alternatives	19.00	7.38
Fixed Income	22.00	1.75
Real Estate	10.00	5.75
Liquidity Reserves	1.00	1.00
Total	100.00 %	

\* Target allocation percentage is effective July 1, 2022. Target weights were phased in over a 3-month period concluding October 1, 2022.

\*\* 10 year annualized geometric nominal returns, which include the real rate of return and inflation of 2.25 percent and does not include investment expenses. Over a 30-year period, STRS' investment consultant indicates that the above target allocations should generate a return above the actual rate of return, without net value added by management.

**Discount Rate** The discount rate used to measure the total OPEB liability was 7.00 percent as of June 30, 2022. The projection of cash flows used to determine the discount rate assumes STRS Ohio continues to allocate no employer contributions to the health care fund. Based on these assumptions, the OPEB plan's fiduciary net position was projected to be available to make all projected future benefit payments to current plan members. Therefore, the long-term expected rate of return on health care plan investments of 7.00 percent was used to measure the total OPEB liability as of June 30, 2022.

**Sensitivity of the School's Proportionate Share of the Net OPEB Asset to Changes in the Discount and Health Care Cost Trend Rate** The following table represents the net OPEB asset as of June 30, 2022, calculated using the current period discount rate assumption of 7.00 percent, as well as what the net OPEB asset would be if it were calculated using a discount rate that is one percentage point lower (6.00 percent) or one percentage point higher (8.00 percent) than the current assumption. Also shown is the net OPEB asset as if it were calculated using health care cost trend rates that are one percentage point lower or one percentage point higher than the current health care cost trend rates.

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO  
 NOTES TO THE BASIC FINANCIAL STATEMENTS  
 FOR THE YEAR ENDED JUNE 30, 2023**

	1% Decrease (6.00%)	Current Discount Rate (7.00%)	1% Increase (8.00%)
Academy's proportionate share of the net OPEB asset	\$ 73,844	\$ 79,876	\$ 85,044

  

	1% Decrease	Current Trend Rate	1% Increase
Academy's proportionate share of the net OPEB asset	\$ 82,851	\$ 79,876	\$ 76,121

***Benefit Term Changes Since the Prior Measurement Date***

Salary increase rates were updated based on the actuarial experience study for the period July 1, 2015 through June 30, 2021 and were changed from age based to service based. Healthcare trends were updated to reflect emerging claims and recoveries experience.

**NOTE 11 - CONTINGENCIES**

**Grants** - The Academy received financial assistance from federal and state agencies in the form of grants. The disbursement of funds received under these programs generally requires compliance with terms and conditions specified in the grant agreements and are subject to audit by the grantor agencies. Any disallowed claims resulting from such audits could become a liability of the Academy. However, in the opinion of management, any such disallowed claims will not have a material adverse effect on the overall financial position of the Academy at June 30, 2023.

**Litigation** - There are currently no matters in litigation with the Academy as defendant.

**Full-Time Equivalency** - Academy foundation funding is based on the annualized full-time equivalent (FTE) enrollment of each student. However, there is an important nexus between attendance and enrollment for Foundation funding purposes. Community schools must provide documentation that clearly demonstrates students have participated in learning opportunities. The Ohio Department of Education (ODE) is legislatively required to adjust/reconcile funding as enrollment information is updated by schools throughout the State, which can extend past the fiscal year end.

Under Ohio Rev. Code Section 3314.08, ODE may also perform a FTE Review subsequent to the fiscal year end that may result in an additional adjustment to the enrollment information as well as claw backs of Foundation funding due to a lack of evidence to support student participation and other matters of noncompliance. ODE did not perform such a review on the Academy for fiscal year 2023.

The Academy's September 14, 2023 and November 14, 2023 foundation settlements included an FTE adjustment for fiscal year 2023. The FTE adjustments resulted in an increase of \$819 and is not material therefore not reported in the financial statements.

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**  
**NOTES TO THE BASIC FINANCIAL STATEMENTS**  
**FOR THE YEAR ENDED JUNE 30, 2023**

In addition, the Academy's contract with their Sponsor and Management Company requires payment based on revenues received from the State. As discussed above, additional FTE adjustments for fiscal year 2023 have been finalized. The impact on the fiscal year 2023 financial statements related to additional reconciliation necessary with this contract resulted in a difference of \$25 owed to the Sponsor and \$131 owed to the Management Company. This is not reported and not material to the financial statements.

**NOTE 12 - SPONSOR**

The Academy was approved for operation under a contract with the St. Aloysius Orphanage (the Sponsor) through June 30, 2027. As part of this contract, the Sponsor is entitled to a maximum of 3% of foundation revenues. Total amount due and paid for fiscal year 2023 was \$51,411.

**NOTE 13 – MANAGEMENT COMPANY**

The Academy entered into an agreement with Stellar Learning Consortium, a management company, to provide legal, financial, and other management support services for fiscal year 2023. The agreement was for a period of six years beginning July 1, 2021. Management fees are calculated as 16% of the Academy's State Revenue. The management fee for the School year 2022-2023 shall not be less than \$150,000. The board, in its sole discretion may pay annually to the company a bonus of up to 2% if certain performance indexes are met. The total amount due from the Academy for the fiscal year ending June 30, 2023 was \$284,222 and is included under "Purchased Services" on the Statement of Revenues, Expenses and Changes in Net Position.

**NOTE 14 – IMPLEMENTATION OF NEW ACCOUNTING PRINCIPLES**

For the fiscal year ended June 30, 2023, the Academy has implemented Governmental Accounting Standards Board (GASB) Statement No. 94, Public-Private and Public-Public Partnerships and Availability Payment Arrangements, GASB Statement No. 96, Subscription-Based Information Technology Arrangements and certain provisions of GASB Statement No. 99, Omnibus 2022. The implementation of GASB Statements Nos. 94, 96, and 99 did not have an effect on the financial statements of the Academy.

**NOTE 15 – SUBSEQUENT EVENT**

The School entered into a lease with Diocese of Toledo Properties Trust effective July 1, 2023 for an additional School facility located at 720 Evesham Boulevard and 728 Parkside Boulevard, Toledo, OH 43609 for an initial term of 4 years, with two additional three year renewal periods. Base rent for fiscal year 2023 is set at \$5,550 per month which increases \$1,000 per monthly annually.

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**

Required Supplementary Information  
 Schedule of the Academy's Proportionate Share of the Net Pension Liability  
 School Employees Retirement System of Ohio  
 Current Fiscal Year (1)

	2023
Academy's Proportion of the Net Pension Liability	0.0054371%
Academy's Proportionate Share of the Net Pension Liability	\$ 294,080
Academy's Covered Payroll	\$ 203,107
Academy's Proportionate Share of the Net Pension Liability as a Percentage of its Covered Payroll	144.79%
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	75.82%

(1) Information prior to 2023 is not available. Schedule is intended to show ten years of information, and additional information will be displayed as it becomes available.

Amounts presented as of the Academy's measurement date which is the prior fiscal period end.

See accompanying notes to the required supplementary information

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**

Required Supplementary Information  
 Schedule of the Academy's Proportionate Share of the Net Pension Liability  
 State Teachers Retirement System of Ohio  
 Current Fiscal Year (1)

	<u>2023</u>
Academy's Proportion of the Net Pension Liability	0.00308483%
Academy's Proportionate Share of the Net Pension Liability	\$ 685,761
Academy's Covered Payroll	\$ 401,043
Academy's Proportionate Share of the Net Pension Liability as a Percentage of its Covered Payroll	170.99%
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	78.90%

(1) Information prior to 2023 is not available. Schedule is intended to show ten years of information, and additional information will be displayed as it becomes available.

Amounts presented as of the Academy's measurement date which is the prior fiscal period end.

See accompanying notes to the required supplementary information

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**

Required Supplementary Information  
 Schedule of Academy Contributions - Pension  
 School Employees Retirement System of Ohio  
 Last Two Fiscal Years (1)

	<u>2023</u>	<u>2022</u>
Contractually Required Contribution	\$ 53,956	\$ 28,435
Contributions in Relation to the Contractually Required Contribution	<u>(53,956)</u>	<u>(28,435)</u>
Contribution Deficiency (Excess)	<u>\$ -</u>	<u>\$ -</u>
Academy Covered Payroll	\$ 385,400	\$ 203,107
Contributions as a Percentage of Covered Payroll	14.00%	14.00%

(1) Information prior to 2022 is not available. Schedule is intended to show ten years of information, and additional information will be displayed as it becomes available.

See accompanying notes to the required supplementary information

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**

Required Supplementary Information  
 Schedule of Academy Contributions - Pension  
 State Teachers Retirement System of Ohio  
 Last Two Fiscal Years (1)

	<u>2023</u>	<u>2022</u>
Contractually Required Contribution	\$ 94,719	\$ 56,146
Contributions in Relation to the Contractually Required Contribution	<u>(94,719)</u>	<u>(56,146)</u>
Contribution Deficiency (Excess)	<u>\$ -</u>	<u>\$ -</u>
Academy Covered Payroll	\$ 676,564	\$ 401,043
Contributions as a Percentage of Covered Payroll	14.00%	14.00%

(1) Information prior to 2022 is not available. Schedule is intended to show ten years of information, and additional information will be displayed as it becomes available.

See accompanying notes to the required supplementary information



**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**

Required Supplementary Information  
 Schedule of the Academy's Proportionate Share of the Net OPEB Liability  
 School Employees Retirement System of Ohio  
 Current Fiscal Year (1)

	2023
Academy's Proportion of the Net OPEB Liability	0.0056615%
Academy's Proportionate Share of the Net OPEB Liability	\$ 79,489
Academy's Covered Payroll	\$ 203,107
Academy's Proportionate Share of the Net OPEB Liability as a Percentage of its Covered Payroll	39.14%
Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability	30.34%

(1) Information prior to 2023 is not available. Schedule is intended to show ten years of information, and additional information will be displayed as it becomes available.

Amounts presented as of the Academy's measurement date, which is the prior fiscal year end.

See accompanying notes to the required supplementary information

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**

Required Supplementary Information  
 Schedule of the Academy's Proportionate Share of the Net OPEB  
 Liability/(Asset)  
 State Teachers Retirement System of Ohio  
 Current Fiscal Year (1)

	2023
Academy's Proportion of the Net OPEB Liability/Asset	0.00308483%
Academy's Proportionate Share of the Net OPEB Liability/(Asset)	\$ (79,876)
Academy's Covered Payroll	\$ 401,043
Academy's Proportionate Share of the Net OPEB Liability/Asset as a Percentage of its Covered Payroll	-19.92%
Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability/Asset	174.73%

(1) Information prior to 2023 is not available. Schedule is intended to show ten years of information, and additional information will be displayed as it becomes available.

Amounts presented as of the Academy's measurement date, which is the prior fiscal year end.

See accompanying notes to the required supplementary information

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**

Required Supplementary Information  
 Schedule of Academy Contributions - OPEB  
 School Employees Retirement System of Ohio  
 Last Two Fiscal Years (2)

	<u>2023</u>	<u>2022</u>
Contractually Required Contribution (1)	\$ 3,584	\$ 4,219
Contributions in Relation to the Contractually Required Contribution	<u>(3,584)</u>	<u>(4,219)</u>
Contribution Deficiency (Excess)	<u>-</u>	<u>-</u>
Academy Covered Payroll	\$ 385,400	\$ 203,107
OPEB Contributions as a Percentage of Covered Payroll (1)	0.93%	2.08%

(1) Includes Surcharge

(2) Information prior to 2022 is not available. Schedule is intended to show ten years of information, and additional information will be displayed as it becomes available.

See accompanying notes to the required supplementary information

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**

Required Supplementary Information  
 Schedule of Academy Contributions - OPEB  
 State Teachers Retirement System of Ohio  
 Last Two Fiscal Years (1)

	<u>2023</u>	<u>2022</u>
Contractually Required Contribution	\$ -	\$ -
Contributions in Relation to the Contractually Required Contribution	<u>-</u>	<u>-</u>
Contribution Deficiency (Excess)	<u>\$ -</u>	<u>\$ -</u>
Academy Covered Payroll	\$ 676,564	\$ 401,043
Contributions as a Percentage of Covered Payroll	0.00%	0.00%

(1) Information prior to 2022 is not available. Schedule is intended to show ten years of information, and additional information will be displayed as it becomes available.

See accompanying notes to the required supplementary information

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**

**NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION  
FOR THE FISCAL YEAR ENDED JUNE 30, 2023**

**NOTE 1 - NET PENSION LIABILITY**

There were no changes in assumptions or benefit terms for the fiscal years reported unless otherwise stated below:

**Changes in Assumptions - SERS**

For fiscal year 2022, the SERS Board adopted the following assumption changes:

- Assumed rate of inflation was reduced from 3.00 percent to 2.40 percent
- Payroll growth assumption was reduced from 3.50 percent to 1.75 percent
- Assumed real wage growth was reduced from 0.50 percent to 0.85 percent
- Discount rate was reduced from 7.50 percent to 7.00 percent
- Rates of withdrawal, retirement and disability were updated to reflect recent experience.
- Mortality among active members, service retirees and beneficiaries, and disabled members were updated.

For fiscal year 2017, the SERS Board adopted the following assumption changes:

- Assumed rate of inflation was reduced from 3.25 percent to 3.00 percent
- Payroll Growth Assumption was reduced from 4.00 percent to 3.50 percent
- Assumed real wage growth was reduced from 0.75 percent to 0.50 percent
- Rates of withdrawal, retirement and disability were updated to reflect recent experience.
- Mortality among active members was updated to RP-2014 Blue Collar Mortality Table with fully generational projection and a five-year age set-back for both males and females.
- Mortality among service retired members, and beneficiaries was updated to RP-2014 Blue Collar Mortality Table with fully generational projection with Scale BB, 120 percent of male rates, and 110 percent of female rates.
- Mortality among disabled members was updated to RP-2000 Disabled Mortality Table, 90 percent for male rates and 100 percent for female rates, set back five years is used for the period after disability retirement.

**Changes in Benefit Terms - SERS**

For fiscal year 2022, cost-of-living adjustments were increased from 2.00 percent to 2.50 percent.

For fiscal year 2021, cost-of-living adjustments were reduced from 2.50 percent to 2.00 percent.

For fiscal year 2018, the cost-of-living adjustment was changed from a fixed 3.00 percent to a cost-of-living adjustment that is indexed to CPI-W not greater than 2.50 percent with a floor of zero percent beginning January 1, 2018. In addition, with the authority granted the Board under HB 49, the Board has enacted a three-year COLA suspension for benefit recipients in calendar years 2018, 2019 and 2020.

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**

**NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION  
FOR THE FISCAL YEAR ENDED JUNE 30, 2023**

**Changes in Assumptions – STRS**

For fiscal year 2022, the Retirement Board approved several changes to the actuarial assumptions. The salary increases were changed from 12.50 percent at age 20 to 2.50 percent at age 65 to varying by service from 2.50 percent to 8.50 percent. The healthy and disabled mortality assumptions were updated to the Pub-2010 mortality tables with generational improvement scale MP-2020.

For fiscal year 2021, the long term expected rate of return was reduced from 7.45 percent to 7.00 percent.

For fiscal year 2018, the Retirement Board approved several changes to the actuarial assumptions in 2017. The long term expected rate of return was reduced from 7.75 percent to 7.45 percent, the inflation assumption was lowered from 2.75 percent to 2.50 percent, the payroll growth assumption was lowered to 3.00 percent, and total salary increases rate was lowered by decreasing the merit component of the individual salary increases, in addition to a decrease of 0.25 percent due to lower inflation. The healthy and disabled mortality assumptions were updated to the RP-2014 mortality tables with generational improvement scale MP-2016. Rates of retirement, termination and disability were modified to better reflect anticipated future experience.

**Changes in Benefit Terms - STRS**

For fiscal year 2018, the cost-of-living adjustment (COLA) was reduced to zero.

**NOTE 2 - NET OPEB LIABILITY (ASSET)**

**Changes in Assumptions – SERS**

Amounts reported incorporate changes in key methods and assumptions used in calculating the total OPEB liability as presented as follows:

**Municipal Bond Index Rate:**

Fiscal year 2023	3.69 percent
Fiscal year 2022	1.92 percent
Fiscal year 2021	2.45 percent
Fiscal year 2020	3.13 percent
Fiscal year 2019	3.62 percent
Fiscal year 2018	3.56 percent
Fiscal year 2017	2.92 percent

**Single Equivalent Interest Rate, net of plan investment expense, including price inflation:**

Fiscal year 2023	4.08 percent
Fiscal year 2022	2.27 percent
Fiscal year 2021	2.63 percent
Fiscal year 2020	3.22 percent
Fiscal year 2019	3.70 percent
Fiscal year 2018	3.63 percent
Fiscal year 2017	2.98 percent

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**

**NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION  
FOR THE FISCAL YEAR ENDED JUNE 30, 2023**

**Pre-Medicare Trend Assumption**

Fiscal year 2023	6.75 percent initially, decreasing to 4.40 percent
Fiscal year 2022	6.75 percent initially, decreasing to 4.40 percent
Fiscal year 2021	7.00 percent initially, decreasing to 4.75 percent
Fiscal year 2020	7.00 percent initially, decreasing to 4.75 percent
Fiscal year 2019	7.25 percent initially, decreasing to 4.75 percent
Fiscal year 2018	7.50 percent initially, decreasing to 4.00 percent

**Medicare Trend Assumption**

Fiscal year 2023	7.00 percent initially, decreasing to 4.40 percent
Fiscal year 2022	5.125 percent initially, decreasing to 4.40 percent
Fiscal year 2021	5.25 percent initially, decreasing to 4.75 percent
Fiscal year 2020	5.25 percent initially, decreasing to 4.75 percent
Fiscal year 2019	5.375 percent initially, decreasing to 4.75 percent
Fiscal year 2018	5.50 percent initially, decreasing to 5.00 percent

**Changes in Benefit Terms – SERS**

There have been no changes to the benefit provisions.

**Changes in Assumptions – STRS**

For fiscal year 2022, the healthy and disabled mortality assumptions were updated to the RPub-2010 mortality tables with generational improvement scale MP-2020. Rates of retirement, termination and disability were modified to better reflect anticipated future experience.

For fiscal year 2022, the following changes were made to the actuarial assumptions:

- Projected salary increases from 3.25 to 10.75 percent, including wage inflation to varying by service from 2.50 to 8.50 percent
- Medicare medical health care cost trends from -16.18 percent initial to -68.78 percent initial and 4.00 percent ultimate to 3.94 percent ultimate
- Medicare prescription drug health care cost trends from 29.98 percent initial to -5.47 percent initial and 4.00 percent ultimate to 3.94 percent ultimate

For fiscal year 2021, valuation year per capita health care costs were updated. Health care cost trend rates ranged from -5.20 percent to 9.60 percent initially for fiscal year 2020 and changed for fiscal year 2021 to a range of -6.69 percent to 11.87 percent, initially.

For fiscal year 2019, the discount rate was increased from the blended rate of 4.13 percent to the long-term expected rate of return of 7.45 percent. Valuation year per capita health care costs were updated. Health care cost trend rates ranged from 6.00 percent to 11 percent initially and a 4.50 percent ultimate rate for fiscal year 2018 and changed for fiscal year 2019 to a range of -5.20 percent to 9.60 percent, initially and a 4.00 ultimate rate.

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY – LUCAS COUNTY, OHIO**

**NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION  
FOR THE FISCAL YEAR ENDED JUNE 30, 2023**

For fiscal year 2018, the blended discount rate was increased from 3.26 percent to 4.13 percent. Valuation year per capita health care costs were updated, and the salary scale was modified. The percentage of future retirees electing each option was updated based on current data and the percentage of future disabled retirees and terminated vested participants electing health coverage were decreased. The assumed mortality, disability, retirement, withdrawal and future health care cost trend rates were modified along with the portion of rebated prescription drug costs.

**Changes in Benefit Terms – STRS**

For fiscal year 2021, there were no changes to the claims costs process. Claim curves were updated to reflect the projected fiscal year 2021 premium based on June 30, 2020 enrollment distribution. The non-Medicare subsidy percentage was increased effective January 1, 2021 from 1.984 percent to 2.055 percent per year of service. The non-Medicare frozen subsidy base premium was increased effective January 1, 2021. The Medicare subsidy percentages were adjusted effective January 1, 2021 to .1 percent for the AMA Medicare plan. The Medicare Part B monthly reimbursement elimination date was postponed indefinitely.

For fiscal year 2020, there was no change to the claims costs process. Claim curves were trended to the fiscal year ending June 30, 2020 to reflect the current price renewals. The non-Medicare subsidy percentage was increased effective January 1, 2020 from 1.944 percent to 1.984 percent per year of service. The non-Medicare frozen subsidy base premium was increased effective January 1, 2020. The Medicare subsidy percentages were adjusted effective January 1, 2021 to 2.1 percent for the Medicare plan. The Medicare Part B monthly reimbursement elimination date was postponed to January 1, 2021

For fiscal year 2019, the subsidy multiplier for non-Medicare benefit recipients was increased from 1.9 percent to 1.944 percent per year of service effective January 1, 2019. The non-Medicare frozen subsidy base premium was increased effective January 1, 2019 and all remaining Medicare Part B premium reimbursements will be discontinued beginning January 1, 2020.

For fiscal year 2018, the subsidy multiplier for non-Medicare benefit recipients was reduced from 2.1 percent to 1.9 percent per year of service. Medicare Part B premium reimbursements were discontinued for certain survivors and beneficiaries and all remaining Medicare Part B premium reimbursements will be discontinued beginning January 2019. This was subsequently extended, see above paragraph.



**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY  
LUCAS COUNTY**

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
FOR THE FISCAL YEAR ENDED JUNE 30, 2023**

<b>FEDERAL GRANTOR</b> <i>Pass Through Grantor</i> Program / Cluster Title	<b>Assistance Listing Number</b>	<b>Total Federal Expenditures</b>
<b>U.S. DEPARTMENT OF AGRICULTURE</b>		
<i>Passed Through Ohio Department of Education and Workforce</i>		
<u>Child Nutrition Cluster:</u>		
School Breakfast Program	10.553	\$ 25,430
National School Lunch Program	10.555	85,254
Total Child Nutrition Cluster		<u>110,684</u>
<b>Total U.S. Department of Agriculture</b>		<u><b>110,684</b></u>
<b>U.S. DEPARTMENT OF EDUCATION</b>		
<i>Passed Through Ohio Department of Education and Workforce</i>		
<u>Special Education Cluster:</u>		
Special Education_Grants to States (IDEA, Part B)	84.027	54,686
COVID-19 Special Education_Grants to States (IDEA, Part B)	84.027X	7,872
Total Special Education Cluster		<u>62,558</u>
Title I Grants to Local Educational Agencies	84.010	243,497
Improving Teacher Quality State Grants	84.367	21,330
Student Support and Academic Enrichment Program	84.424	11,154
Charter Schools	84.282	250,000
<u>Education Stabilization Fund:</u>		
COVID-19 Elementary and Secondary School Emergency Relief (ESSER I) Fund	84.425D	294,335
COVID-19 American Rescue Plan - Elementary and Secondary School Emergency Relief (ARP ESSER) Fund	84.425U	375,902
Total Education Stabilization Fund		<u>670,237</u>
<b>Total U.S. Department of Education</b>		<u><b>1,258,776</b></u>
<b>FEDERAL COMMUNICATIONS COMMISSION</b>		
<i>Direct Program</i>		
Emergency Connectivity Fund Program	32.009	39,700
<b>Total Federal Communications Commission</b>		<u><b>39,700</b></u>
<b>Total Expenditures of Federal Awards</b>		<u><u><b>\$ 1,409,160</b></u></u>

*The accompanying notes are an integral part of this schedule.*

**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY  
LUCAS COUNTY**

**NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
2 CFR 200.510(b)(6)  
FOR THE FISCAL YEAR ENDED JUNE 30, 2023**

**NOTE A – BASIS OF PRESENTATION**

The accompanying Schedule of Expenditures of Federal Awards (the Schedule) includes the federal award activity of the Explorers Academy of Science and Technology, Lucas County, Ohio (the Academy) under programs of the federal government for the year ended June 30, 2023. The information on this Schedule is prepared in accordance with the requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Because the Schedule presents only a selected portion of the operations of the Academy, it is not intended to and does not present the financial position, changes in net position, or cash flows of the Academy.

**NOTE B – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

Expenditures reported on the Schedule are reported on the cash basis of accounting. Such expenditures are recognized following the cost principles contained in Uniform Guidance wherein certain types of expenditures may or may not be allowable or may be limited as to reimbursement.

**NOTE C – INDIRECT COST RATE**

The Academy has elected not to use the 10-percent de minimis indirect cost rate as allowed under the Uniform Guidance.

**NOTE D – CHILD NUTRITION CLUSTER**

The Academy commingles cash receipts from the U.S. Department of Agriculture with similar State grants. When reporting expenditures on this Schedule, the Academy assumes it expends federal monies first.



**INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER  
FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS  
REQUIRED BY GOVERNMENT AUDITING STANDARDS**

Explorers Academy of Science and Technology  
Lucas County  
1850 Airport Highway  
Toledo, Ohio 43609

To the Governing Board:

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States (*Government Auditing Standards*), the financial statements of the Explorers Academy of Science and Technology, Lucas County, Ohio (the Academy) as of and for the year ended June 30, 2023, and the related notes to the financial statements, which collectively comprise the Academy's basic financial statements and have issued our report thereon dated March 22, 2024.

***Report on Internal Control Over Financial Reporting***

In planning and performing our audit of the financial statements, we considered the Academy's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Academy's internal control. Accordingly, we do not express an opinion on the effectiveness of the Academy's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the Academy's financial statements will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses or significant deficiencies may exist that were not identified.

***Report on Compliance and Other Matters***

As part of obtaining reasonable assurance about whether the Academy's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

***Purpose of This Report***

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the Academy's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Academy's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.



Keith Faber  
Auditor of State  
Columbus, Ohio

March 22, 2024

# OHIO AUDITOR OF STATE KEITH FABER



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## INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE WITH REQUIREMENTS APPLICABLE TO THE MAJOR FEDERAL PROGRAM AND ON INTERNAL CONTROL OVER COMPLIANCE REQUIRED BY THE UNIFORM GUIDANCE

Explorers Academy of Science and Technology  
Lucas County  
1850 Airport Highway  
Toledo, Ohio 43609

To the Governing Board:

### **Report on Compliance for the Major Federal Program**

#### ***Opinion on the Major Federal Program***

We have audited the Explorers Academy of Science and Technology, Lucas County, Ohio's (the Academy) compliance with the types of compliance requirements identified as subject to audit in the U.S. Office of Management and Budget (OMB) *Compliance Supplement* that could have a direct and material effect on the Explorers Academy of Science and Technology's major federal program for the year ended June 30, 2023. Explorers Academy of Science and Technology's major federal program is identified in the *Summary of Auditor's Results* section of the accompanying schedule of findings.

In our opinion, Explorers Academy of Science and Technology complied, in all material respects, with the compliance requirements referred to above that could have a direct and material effect on its major federal program for the year ended June 30, 2023.

#### ***Basis for Opinion on the Major Federal Program***

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (GAAS); the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States (*Government Auditing Standards*); and the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Our responsibilities under those standards and the Uniform Guidance are further described in the *Auditor's Responsibilities for the Audit of Compliance* section of our report.

We are required to be independent of the Academy and to meet our other ethical responsibilities, in accordance with relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance for the major federal program. Our audit does not provide a legal determination of the Academy's compliance with the compliance requirements referred to above.

### ***Responsibilities of Management for Compliance***

The Academy's Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules, and provisions of contracts or grant agreements applicable to the Academy's federal programs.

### ***Auditor's Responsibilities for the Audit of Compliance***

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on the Academy's compliance based on our audit. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material, if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about the Academy's compliance with the requirements of the major federal program as a whole.

In performing an audit in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance, we:

- exercise professional judgment and maintain professional skepticism throughout the audit.
- identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the Academy's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
- obtain an understanding of the Academy's internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of the Academy's internal control over compliance. Accordingly, no such opinion is expressed.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we identified during the audit.

### **Report on Internal Control Over Compliance**

*A deficiency in internal control over compliance* exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. *A material weakness in internal control over compliance* is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. *A significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the *Auditor's Responsibilities for the Audit of Compliance* section above and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies in internal control over compliance. Given these limitations, during our audit we did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above. However, material weaknesses or significant deficiencies in internal control over compliance may exist that were not identified.

Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of this testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.



Keith Faber  
Auditor of State  
Columbus, Ohio

March 22, 2024

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**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY  
LUCAS COUNTY**

**SCHEDULE OF FINDINGS  
2 CFR § 200.515  
JUNE 30, 2023**

**1. SUMMARY OF AUDITOR'S RESULTS**

<b>(d)(1)(i)</b>	<b>Type of Financial Statement Opinion</b>	Unmodified
<b>(d)(1)(ii)</b>	<b>Were there any material weaknesses in internal control reported at the financial statement level (GAGAS)?</b>	No
<b>(d)(1)(ii)</b>	<b>Were there any significant deficiencies in internal control reported at the financial statement level (GAGAS)?</b>	No
<b>(d)(1)(iii)</b>	<b>Was there any reported material noncompliance at the financial statement level (GAGAS)?</b>	No
<b>(d)(1)(iv)</b>	<b>Were there any material weaknesses in internal control reported for major federal programs?</b>	No
<b>(d)(1)(iv)</b>	<b>Were there any significant deficiencies in internal control reported for major federal programs?</b>	No
<b>(d)(1)(v)</b>	<b>Type of Major Programs' Compliance Opinion</b>	Unmodified
<b>(d)(1)(vi)</b>	<b>Are there any reportable findings under 2 CFR § 200.516(a)?</b>	No
<b>(d)(1)(vii)</b>	<b>Major Programs (list):</b>	Education Stabilization Fund - AL #84.425
<b>(d)(1)(viii)</b>	<b>Dollar Threshold: Type A/B Programs</b>	Type A: > \$ 750,000 Type B: all others
<b>(d)(1)(ix)</b>	<b>Low Risk Auditee under 2 CFR § 200.520?</b>	No

**2. FINDINGS RELATED TO THE FINANCIAL STATEMENTS  
REQUIRED TO BE REPORTED IN ACCORDANCE WITH GAGAS**

None

**3. FINDINGS FOR FEDERAL AWARDS**

None

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# OHIO AUDITOR OF STATE KEITH FABER



**EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY**

**LUCAS COUNTY**

**AUDITOR OF STATE OF OHIO CERTIFICATION**

This is a true and correct copy of the report, which is required to be filed pursuant to Section 117.26, Revised Code, and which is filed in the Office of the Ohio Auditor of State in Columbus, Ohio.



**Certified for Release 3/28/2024**

88 East Broad Street, Columbus, Ohio 43215  
Phone: 614-466-4514 or 800-282-0370

This report is a matter of public record and is available online at  
[www.ohioauditor.gov](http://www.ohioauditor.gov)