



Explorers Academy
of Science & Technology
(EAST)

2022-2023

ANNUAL REPORT

Explorer Academy of Science and Technology

Leadership Team

Mr. Keith Birkhold – Superintendent

Mr. Keith Birkhold is the visionary of the Explorers Academy of Science and Technology and leads The Stellar Learning Consortium as Executive Director, an international collaboration to advance education globally and who is the education management organization for EAST. He holds a BA in Agriculture and Science from Ohio State and a Master in Fruit Crops with a minor in Food Resource Economics from the University of Florida. He brings both broad business and education experience to the EAST program and was certified and taught Integrated Math and Science and became a Principal of ECOT and co-developed Star Academy.

Dr. Mark Williams – Director of Operations

Dr. Woods was born and raised in Toledo. He has 34 years of experience working in education and has his Doctorate in Biblical Studies. He is well-known throughout the city for his involvement in many community events like the Lucas and Franklin County Children Services events. He is the minister of music at River of Life Church, the co-president of WRW Productions and is a Co-Founder of EAST.

Dr. Yuseff Woods – Director of Facilities

Dr. Woods is one of the Founding Fathers of the school. He has been working in education for over 25 years. He has over 30 years of working in Toledo City at large with organizations like Lucas County Children's Services, Sparrow's Nest, and the Family House. He has coordinated several gospel concerts to raise awareness of the need for foster homes for children and has coordinated numerous events to provide Christmas gifts and baskets for the less fortunate. He has a Doctorate in Theology and has received many awards and acknowledgments from the city of Toledo.

Mrs Deirdre Bruce Chalmers - Principal

Deirdre Bruce Chalmers, hails from Detroit, Michigan. She is a former classroom teacher of 15 years, Instructional Coach, and Assistant Principal, with a proven track record and a wealth of experience working at Title I Schools; ensuring that all students have access to equal and equitable educational options. She has exhaustive training in coaching, SEL, diversity, Restorative Practices, Engaging parents, and classroom management. Deirdre is a lifelong learner, who holds a master's degree, in Urban Education, from Cambridge University.

About Explorers Academy

Mission: Explorers Academy of Science and Technology "EAST" is dedicated to providing a diverse student body with an outstanding college preparatory program, preparing students to succeed in life and the workforce. By creating a powerful learning community centered on core values and a shared commitment to academic excellence, EAST will produce students who excel in higher education and tomorrow's workforce. EAST students will be responsible, engaged citizens who are prepared to be leaders of the future.

Vision: Statement EAST is dedicated to ensuring 100% of our students meet state standards in math, science, language arts. EAST will create an innovative school where students acquire a rigorous academic foundation that they can apply to the community and world around them in meaningful ways. EAST students will leave our school with character and a sense of civic responsibility of which a significant percentage will assume leadership positions in an increasingly scientific and technology-based society. EAST will follow the guiding principles of rigor, integration, and personalization. EAST will be an innovative and model school that helps to redefine the American school experience. In order to meet these overall goals, EAST will employ the following specific goals: Establish a Culture of High Expectations; provide Effective Remediation and Support; implement a Balanced Curriculum Approach; and Integrate Technology to enhance classroom instruction.

Location: EAST is located at 1850 Airport Hwy., Toledo, Ohio

Phone: 419-219-9758

Classrooms: In the 2022/2023 school year there were two kindergarten classrooms, and one for each additional grade. We served grades Kindergarten through seventh grade. In addition, EAST has two modules that are used for Special Education services and A Better Life to Live.

Enrollment: Below you will find the enrollment data for the school. In spite of the many school closures that were occurring around the city, EAST never resorted to closing its doors nor providing virtual instruction.

Demographics: EAST will continue to enroll students of all races and creeds. Its demographics appear in the chart below.

		Total Present	Avg Daily Att	Total Memb	Avg Daily Memb	% of Att	Days in Session	Total Absent	Total Late
Totals For Grade: 01	29.00	27.00	0.93	29.00	1.00	93.10	29.00	2.00	0
Totals For Grade: 02	35.00	32.00	0.91	35.00	1.00	91.43	35.00	3.00	0
Totals For Grade: 03	29.00	27.00	0.93	29.00	1.00	93.10	29.00	2.00	0
Totals For Grade: 04	24.00	21.00	0.88	24.00	1.00	87.50	24.00	3.00	0
Totals For Grade: 05	32.00	28.00	0.88	32.00	1.00	87.50	32.00	4.00	0
Totals For Grade: 06	24.00	22.00	0.92	24.00	1.00	91.67	24.00	2.00	0
Totals For Grade: 07	38.00	37.00	0.97	38.00	1.00	97.37	38.00	1.00	0
Totals For Grade: 08	14.00	14.00	1.00	14.00	1.00	100.00	14.00	0.00	0
Totals For Grade: KG	27.00	22.00	0.81	27.00	1.00	81.48	27.00	5.00	0
Final Totals	252.00	230.00	0.91	252.00	1.00	91.27	252.00	22.00	0

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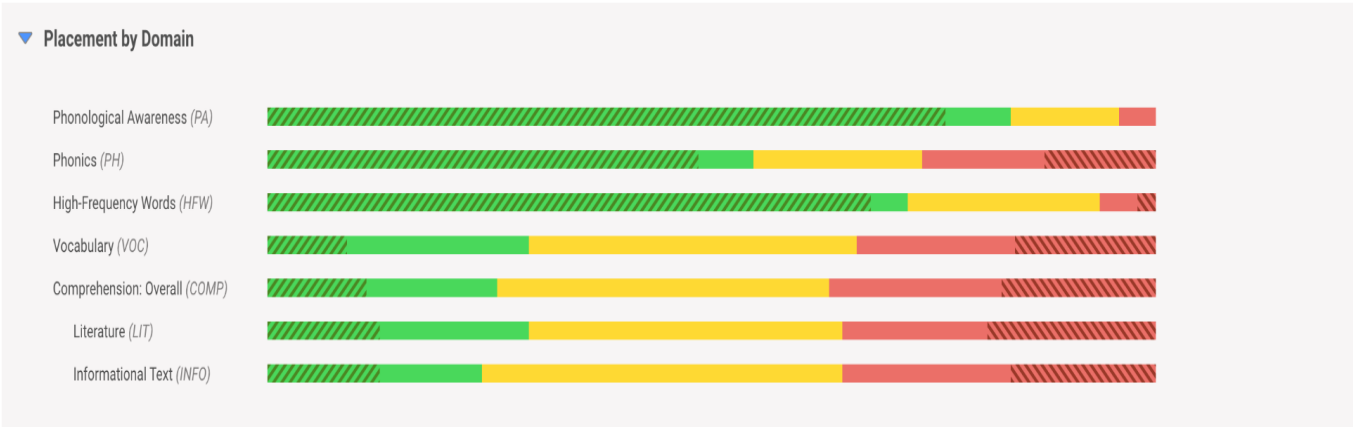
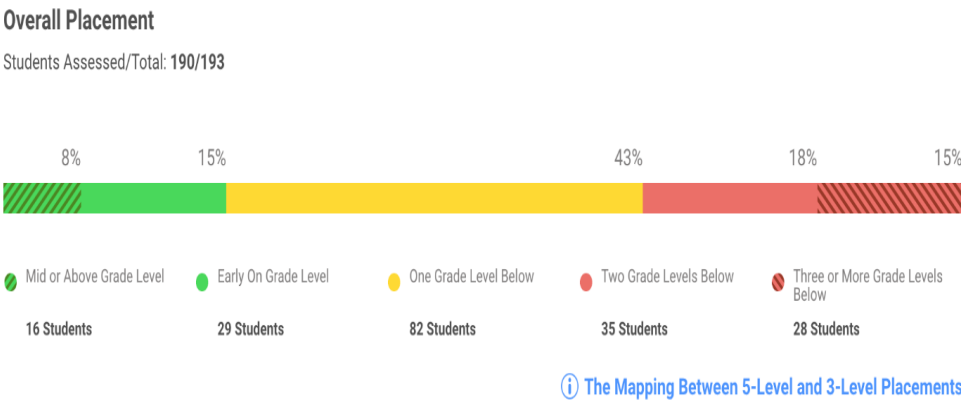
The Fundamentals: EAST believes in educating the WHOLE child. As a result, the school dedicates the first 15 minutes of every school day to social-emotional learning in a school-wide morning meeting. In these meetings, we discuss at length our core values: Respect, Responsibility, Integrity, Courage, Curiosity, and Doing Your Best.

Explorers Academy - One Goal

As stated in our Ohio One Plan, our goal for the 2022/23 school year was:
By 08/12/2023 we will improve the performance of All Students, All Grades students at/in Explorers Academy of Science and Technology to increase 5.00 % in Reading/ Literacy and Mathematics using iReady Growth and Achievement Assessment Data.

Reading Diagnostic - iReady 2022-23

We utilized iReady tools and data to assess the current status of student performance against the standards for the Ohio Achievement Tests for each grade level in comparison to all other Ohio students taking the assessment at the end of the school year (EOY). **Green is at or above grade level, Yellow is below by one year, Red is two or more years below grade level.**



Grade	Overall Grade-Level Placement	Mid or Above Grade Level	Early On Grade Level	One Grade Level Below	Two Grade Levels Below	Three or More Grade Levels Below	Students Assessed/Total
Grade K		21%	29%	50%	0%	0%	24/25
Grade 1		18%	18%	62%	3%	0%	34/35
Grade 2		5%	5%	53%	37%	0%	19/19
Grade 3		5%	5%	26%	47%	16%	19/20
Grade 4		3%	21%	42%	12%	21%	33/33
Grade 5		0%	11%	32%	47%	11%	19/19
Grade 6		4%	11%	43%	11%	32%	28/28
Grade 7		7%	14%	14%	14%	50%	14/14

Diagnostic Growth is determined by the gain against grade level performance for 2022-23 from the beginning of the school year (BOY) to the end of the school year (EOY). 106% of the students met expected growth compared to all students in Ohio taking the diagnostic. This means that many students exceeded expectations in growth and closed multi-year gaps in reading. However, because the deficiencies were so pronounced (gaps to close) from the beginning of the year (BOY) to the end of the year (EOY), the performances on the Ohio Achievement Tests were still below expectations. This means that typical growth was not enough to close performance gaps for Explorer Academy Students in 2022-23.

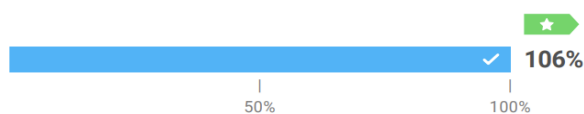
Diagnostic Growth



School	EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY
Subject	Reading
Academic Year	2022 - 2023
Comparison Diagnostic	Final Diagnostic

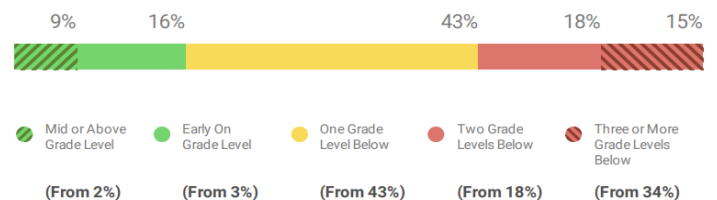
Students Assessed/Total: 187/193

Progress to Annual Typical Growth (Median)



The median percent progress towards Typical Growth for this school is 106%. Typical Growth is the average annual growth for a student at their grade and baseline placement level.

Current Placement Distribution

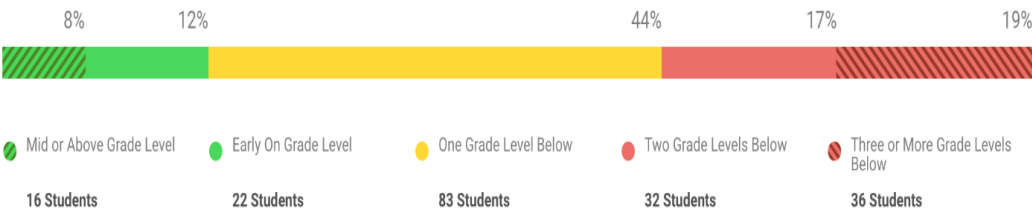


Mathematics Diagnostic - iReady 2022-23

We utilized iReady tools and data to assess the current status of student performance against the standards for the Ohio Achievement Tests for each grade level in comparison to all other Ohio students taking the assessment. **Green is at or above grade level, Yellow is below by one year, Red is two or more years below grade level.**

Overall Placement

Students Assessed/Total: 189/193



[The Mapping Between 5-Level and 3-Level Placements](#)

Placement by Domain



Grade	Overall Grade-Level Placement	Mid or Above Grade Level	Early On Grade Level	One Grade Level Below	Two Grade Levels Below	Three or More Grade Levels Below	Students Assessed/Total
Grade K	<div><div></div><div></div><div></div><div></div><div></div></div>	21%	29%	50%	0%	0%	24/25
Grade 1	<div><div></div><div></div><div></div><div></div><div></div></div>	18%	18%	62%	3%	0%	34/35
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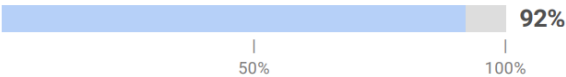
Diagnostic Growth



School	EXPLORERS ACADEMY OF SCIENCE AND TECHNOLOGY
Subject	Math
Academic Year	2022 - 2023
Comparison Diagnostic	Final Diagnostic

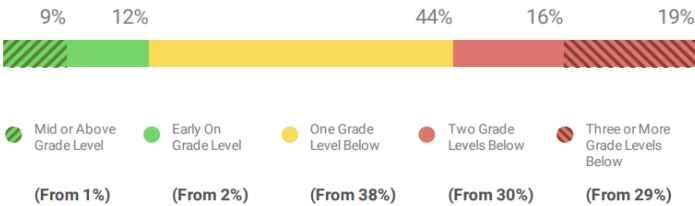
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Current Placement Distribution

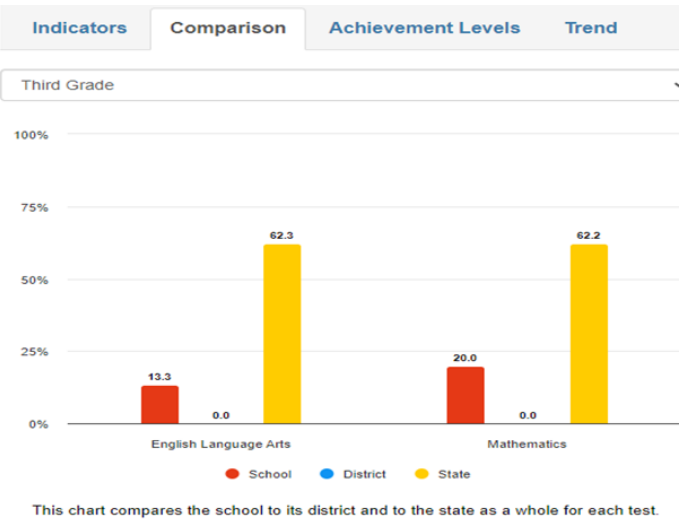
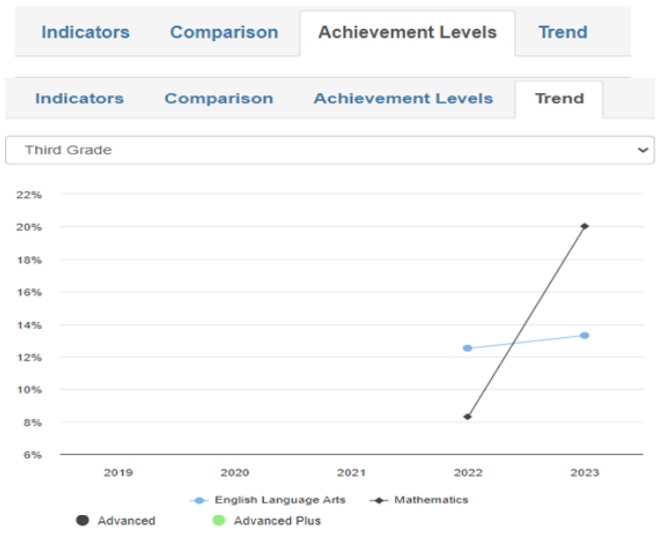


Overall Performance Indicators for Reading and Mathematics

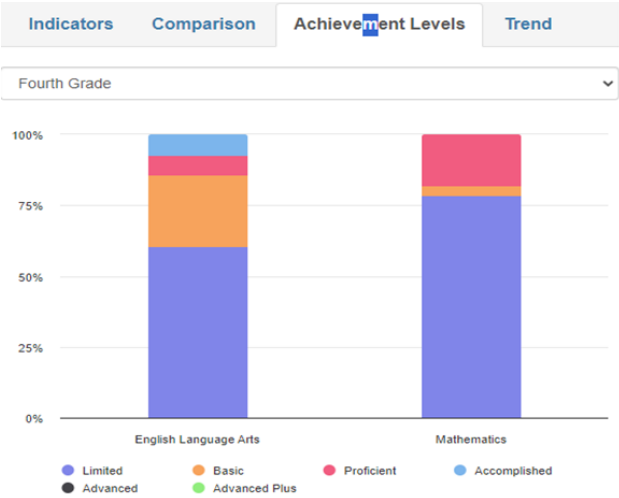
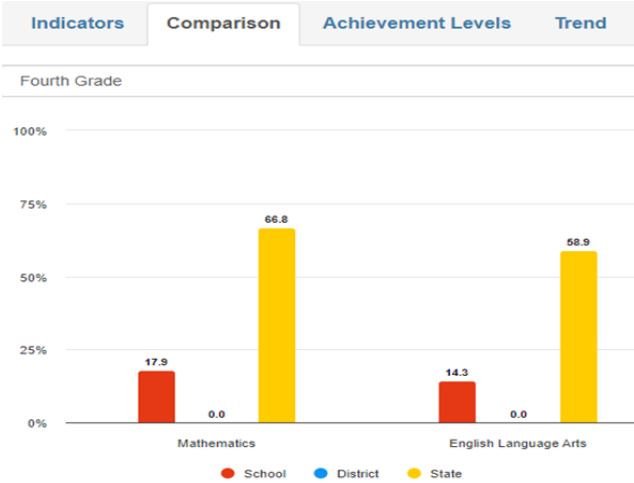
EAST fell short of reaching our one goal as evidenced in the provided state and local data below. Extenuating circumstances created by the direct impact of COVID-19 and as a result of being the opening year of the school impeded the school's ability to fully address the needs of our students.

Third Grade

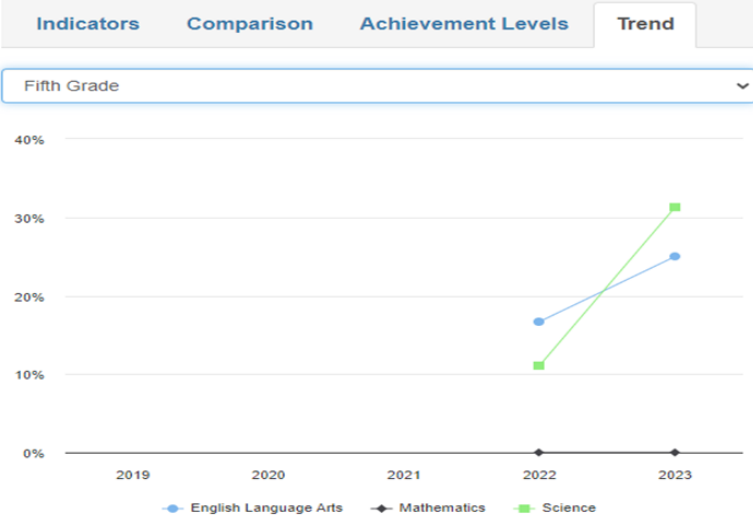
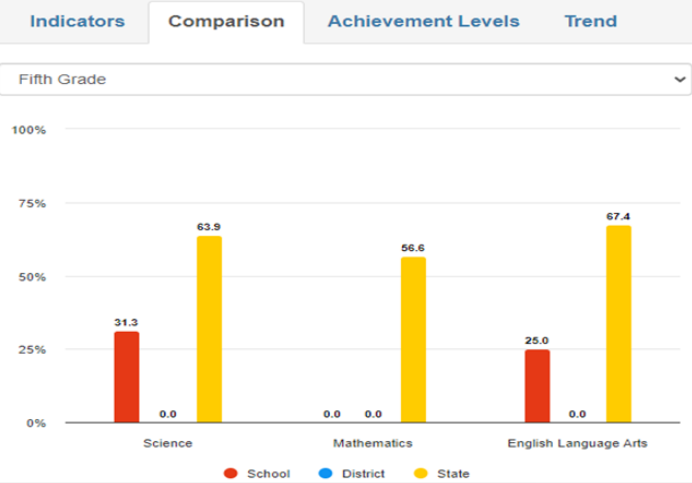
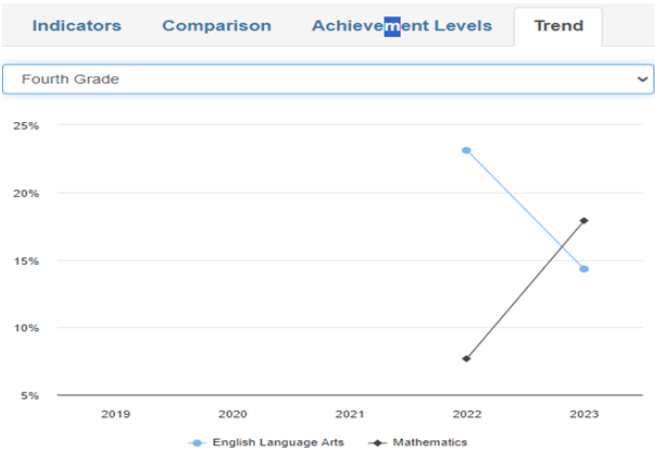
Indicators	Comparison	Achievement Levels	Trend
Third Grade			
English Language Arts		13.3%	
Mathematics		20.0%	
Fourth Grade			
English Language Arts		14.3%	
Mathematics		17.9%	
Fifth Grade			
English Language Arts		25.0%	
Mathematics		0.0%	
Science		31.3%	
Sixth Grade			
English Language Arts		16.7%	
Mathematics		0.0%	
Seventh Grade			
English Language Arts		30.8%	
Mathematics		7.7%	



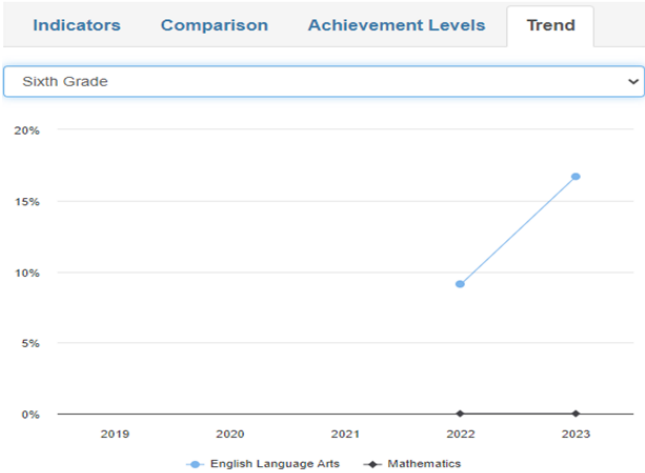
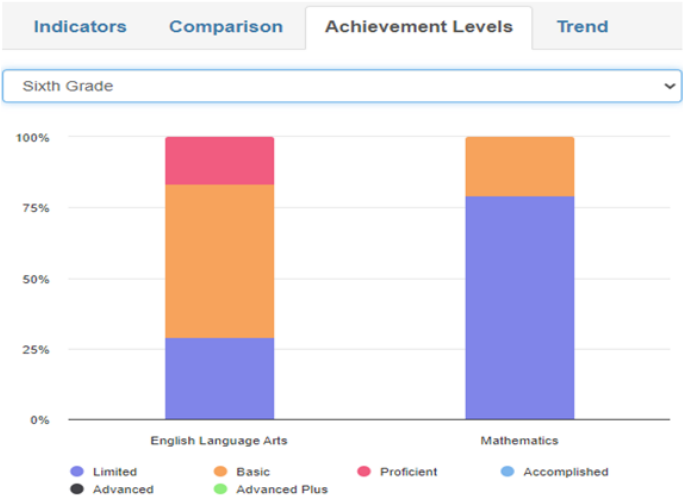
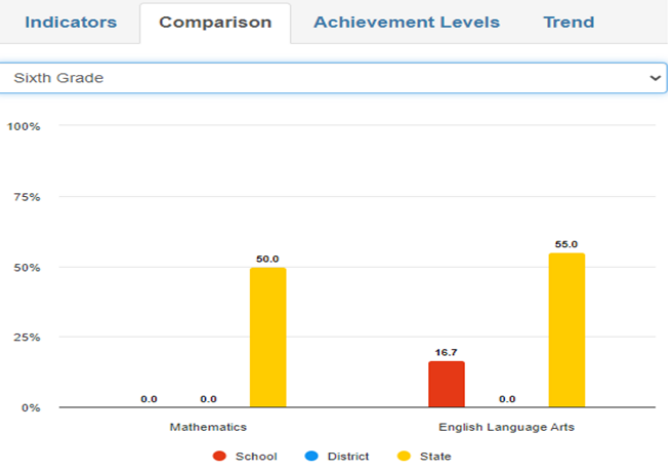
Fourth Grade



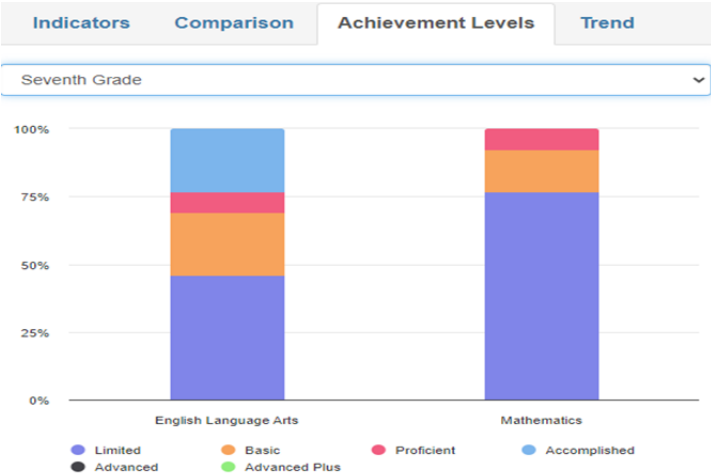
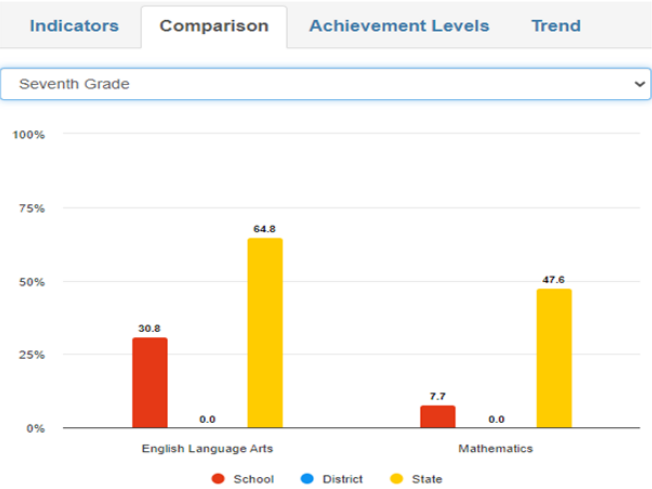
Fifth Grade

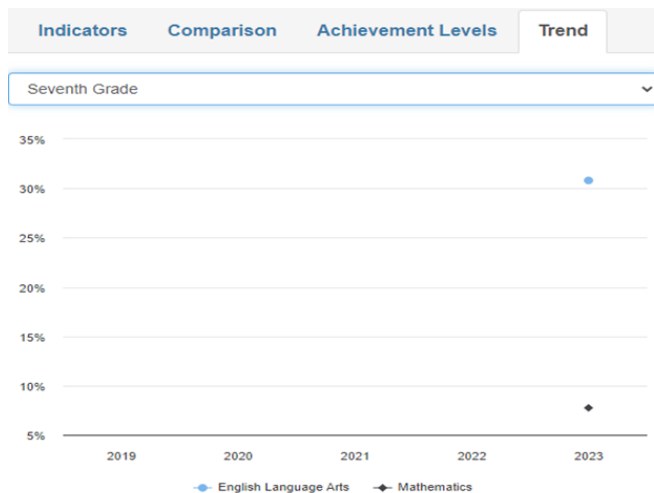


Sixth Grade



Seventh Grade





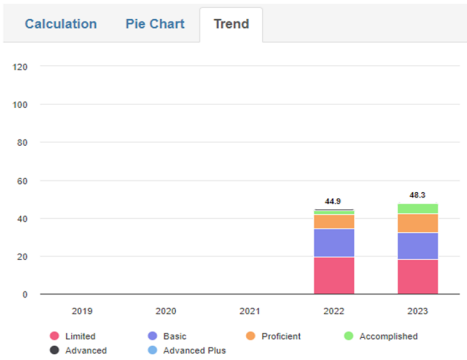
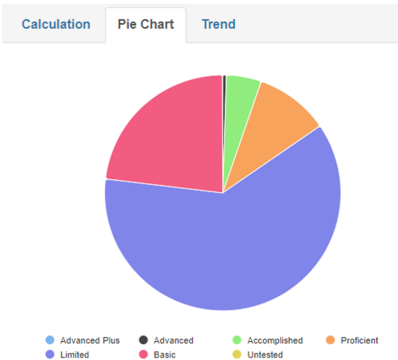
Achievement

Performance Index

The Performance Index measures the test results of every student, not just those who score proficient or higher. Schools and districts receive points on the index for every student who takes a test. The higher the performance level on the state tests, the more points awarded toward the index score. The index score is divided by the maximum possible score. Each year the maximum possible score is determined by the average of the highest 2% performance index scores in the state.

Calculation	Pie Chart	Trend

48.3



Due to the COVID-19 pandemic, testing data from the 2019-2020 school year was very limited and should not be used for comparison.

Gap Closing

★★★★★
Meets state standards in closing educational gaps.

The Gap Closing component shows how well schools are meeting the performance expectations for our students in English language arts, math, and graduation. It also measures how schools are doing in supporting English learners to increase language proficiency, reducing chronic absenteeism for all students, and identifying gifted students and providing gifted services.

Annual Performance Goals

The annual performance goals are established in six areas, and the performance of specific student subgroups are measured against the annual or long-term goals for each area. Goals are established for English Language Arts academic achievement and growth, Math academic achievement and growth, graduation, English learner language proficiency, chronic absenteeism, and gifted performance. The state expectation for all areas and all student subgroups is to continue closing educational gaps year over year. A proportional adjustment is applied to schools and districts if their combined testing participation rate in English language arts and math does not meet or exceed 95 percent.

36.8%

7.0 of a possible 19.0

Participation Rate **100.0%**

Graduation

This school/district is not evaluated for this measure of Gap Closing because there were not enough students to evaluate.

English Learners

This school/district is not evaluated for this measure of Gap Closing because there were not enough students to evaluate.

Chronic Absence

36.3%

Of students were chronically absent in the 2022-2023 school year

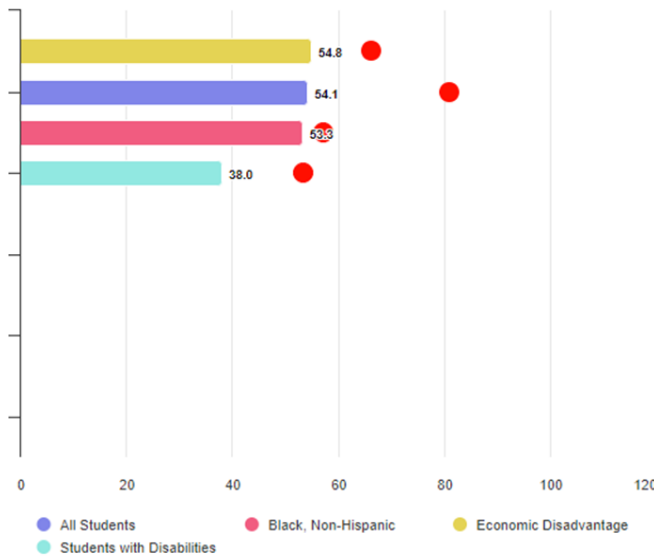
Chronic absenteeism is defined as missing at least 10 percent of instructional time for any reason – excused or unexcused. The annual performance goal for the 2022-2023 school year is 20.2%.

Gifted

This Community School did not opt to receive a Gifted Performance Indicator.

English Language Arts Achievement

Performance Index by Subgroup



Progress

★★★★★
Evidence that the school met student growth expectations.

The Progress Component measures the academic performance of students compared to expected growth on Ohio's State Tests.

Progress Details

These tables show the Progress scores by test grade and subject for students in grades 4-8 and some end-of-course tests, and includes up to three years of data as available.

Test Grade	Progress			
	English Language Arts	Mathematics	Science	All Tests
All Grades				
4th Grade				
5th Grade				
6th Grade				
7th Grade				
8th Grade				

Test Grade	Progress							
	English II	Algebra	Geometry	Mathematics I	Mathematics II	Biology	American History	American Government
High School								

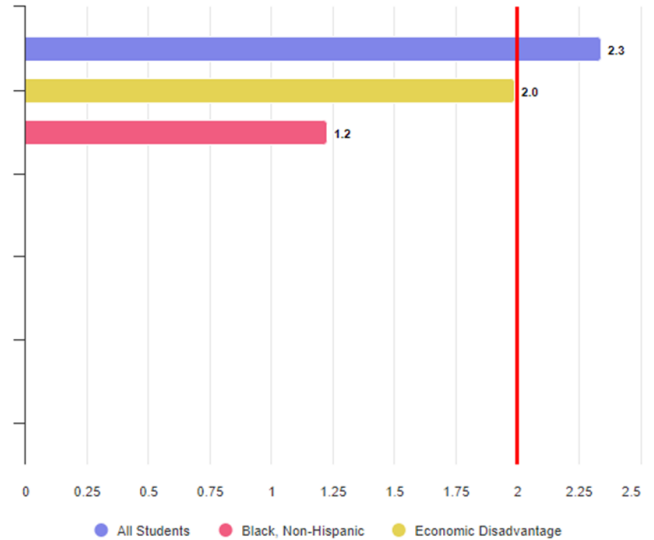
What do the colors mean?

The Progress Component measures how groups of students made progress as compared to the statewide expectation of growth. The expectation of growth is based on how students in the group performed, on average, compared to other students like them across the state.

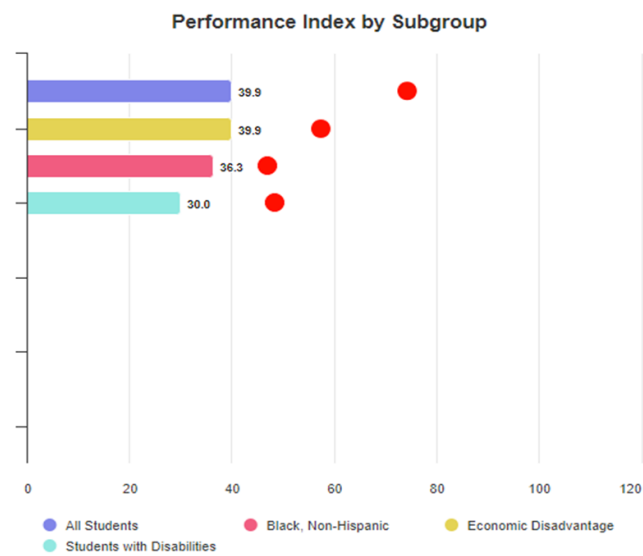
- Significant evidence that the school exceeded student growth expectations by a larger magnitude
- Significant evidence that the school exceeded student growth expectations
- Evidence that the school met student growth expectations
- Significant evidence that the school fell short of student growth expectations
- Significant evidence that the school fell short of student growth expectations by a larger magnitude
- Value Added data is not available

English Language Arts Growth

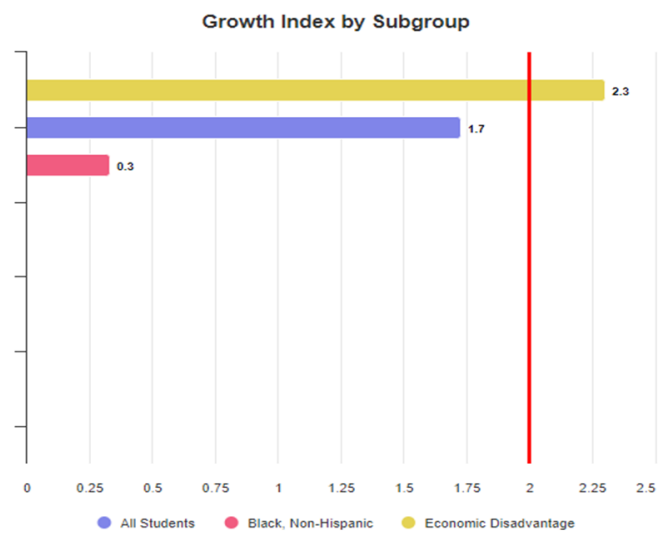
Growth Index by Subgroup



Math Achievement



Math Growth



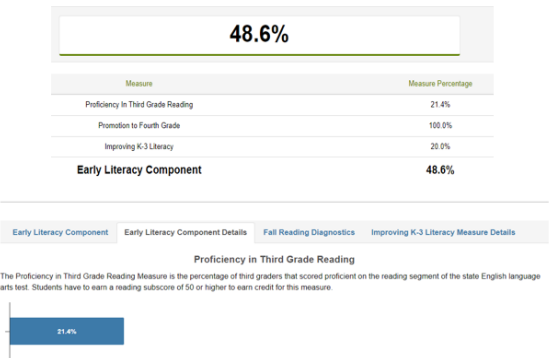
Early Literacy

★★★★★
Needs significant support to meet state standards in early literacy (K-3).

The Early Literacy Component is a measure of reading improvement and proficiency for students in kindergarten through third grade.

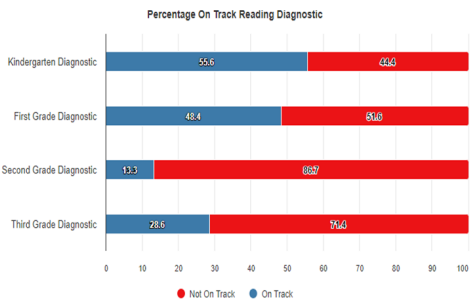
Early Literacy Component

Ohio's Plan to Raise Literacy Achievement provides a proactive approach to reading supports beginning in kindergarten. The Early Literacy Component examines the effectiveness of the reading and literacy supports provided to children in kindergarten through third grade. It is composed of three unrated measures that contribute to the overall rating.



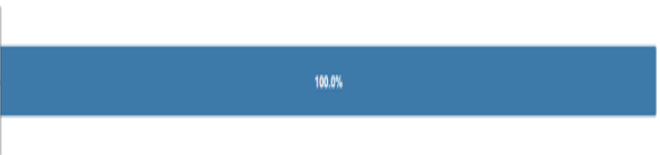
Fall 2022 Reading Diagnostics

The fall 2022 reading diagnostics in third grade are the baseline for third grade improvement on the 2023 Improving K-3 Literacy Measure. If greater than 90% of the kindergarten students in the fall of 2022 are on track, the Improving K-3 Literacy Measure is not calculated and does not contribute to the Early Literacy Component.



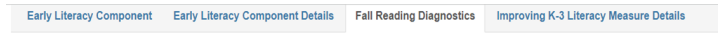
Promotion to Fourth Grade

The Promotion to Fourth Grade measure is the percentage of third grade students who were promoted to fourth grade.



Improving K-3 Literacy

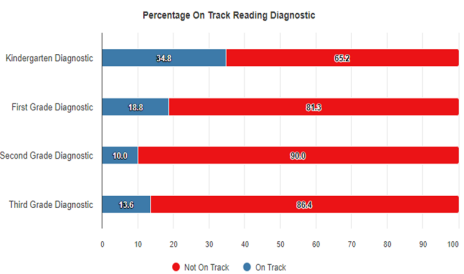
The Improving K-3 Literacy Measure evaluates reading improvement that occurs during kindergarten, first, second and third grade. It looks at whether students that were previously off track are now on track and reading at grade level. It uses results from Fall Reading Diagnostics taken in the fall of 2021 and fall of 2022 as well as results from the 2022-2023 state English language arts test.



Fall Reading Diagnostics provide a good snapshot of the K-3 literacy in a school or district. They are also used to evaluate year over year improvement on the Improving K-3 Literacy Measure.

Fall 2021 Reading Diagnostics

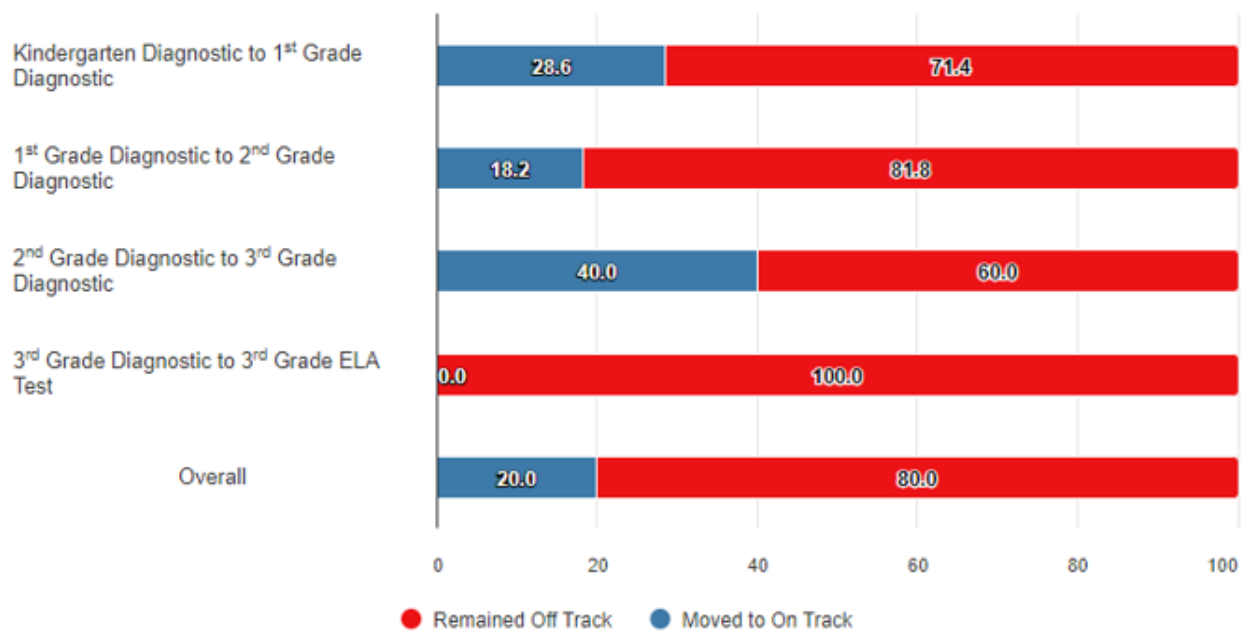
The fall 2021 reading diagnostics in kindergarten through second grade are the baselines for kindergarten through second grade improvement on the 2023 Improving K-3 Literacy Measure.



Additional Details on Improving K-3 Literacy

The Improving K-3 Literacy Measure evaluates reading improvement that occurs during kindergarten, first, second and third grade. Kindergarten, first and second grade improvement evaluates students that were previously off track (meaning they scored off track on the Fall 2021 reading diagnostic) to see if they improved to on track on the Fall 2022 reading diagnostic. Third grade improvement evaluates students that were previously off track (meaning they scored off track on the Fall 2022 reading diagnostic) to see if they scored a 700 or higher on the third grade English language arts test. The Improving K-3 Literacy Measure is not calculated for schools or districts that have greater than 90% of their kindergarteners reading on track based on the 2022 Fall Kindergarten Reading Diagnostic.

Percentage of Previously Off Track Students That Moved to On Track



Financials 2022/2023

Explorers Academy of Science and Technology

Annual Report Summary

For the Year Ending June 30, 2023

REVENUE	State Sources	\$1,731,639
	Federal Sources	\$1,391,238
	Local Sources	\$40,081
TOTAL REVENUE 2022-2023		\$3,162,958
EXPENSES	Salaries and Wages	\$1,088,176
	Employee Benefits	\$443,430
	Purchased Services	\$965,246
	Capital Outlay	\$385,803
	Other Expenses	\$118,901
TOTAL EXPENSES 2022-2023		\$3,154,280