

# Horizon Science Academy Toledo

**ANNUAL REPORT 2011-2012**



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2600 W. Sylvania Ave., Toledo, Ohio 43613

Phone: (419) 474-3350

WEB: <http://www.horizontoledo.org>

Fax: (419) 474-3351

Horizon Science Academy Toledo (HSAT) is a community school. HSAT is funded by public sources, and independently operated by a board of trustees under a charter - granted by the Board of Education of the State of Ohio. Horizon Science Academy Toledo is managed by Concept Schools.

# OUR MANAGEMENT COMPANY



## CONCEPT SCHOOLS

### **Vision**

Reshaping K-12 schools through the use of Concept Schools' Design.

### **Mission**

To create or help to create effective schools, where the common goal of running schools is to excel student learning through clear goals and innovative educational school designs and approaches.

### **What We Do?**

The services of Concept Schools are categorized in three areas:

- (a) School start-up services for new schools.
- (b) Need based individual school services from program design to managing school operations and recruiting students.
- (c) A "from the ground up" K-12 Science Academy design.

# OUR SPONSOR



## MISSION

The mission of the Educational Service Center of Lake Erie West (ESCLEW) is to provide quality resources and services that meet the unique needs of our partners in the educational community.

## HISTORY

Located in the heart of Toledo and established in 1913, Educational Service Center of Lake Erie West (ESCLEW) is one of the largest county offices in the State of Ohio having over 400 employees. The highly qualified professionals on our staff serve students in eight school districts including: Anthony Wayne, Maumee, Ottawa Hills, Perrysburg, Rossford, Springfield, Sylvania City, and Washington Local Schools. Many state programs such as preschool accreditation, community schools, out of school, gifted preschool and others have been piloted through ESCLEW. Board members, staff members, programs, and materials have received local, state and national recognition for outstanding achievement.

ESCLEW offers two premier programs for students in northwest Ohio, the Alternate Learning and Career Center and the Challenger Learning Center of Lucas County. Be sure to visit those pages while you peruse their site.

## **LCESC LEGAL COMPLIANCE ASSESSMENT**

The Ohio Revised Code (ORC) 3314.03 (D) (2) specifies “the sponsor of a community school shall monitor and evaluate the academic and fiscal performance and the organization and operation of the community school on at least an annual basis. Additionally, the sponsor must report the results of the evaluation conducted under division (D) (2) of the code to the department of education and to the parents of students enrolled in the community school.”

The Educational Service Center of Lake Erie West (ESCLEW) served as sponsor during the 2011-2012 school year, monitoring the performance of Horizon Science Academy-Toledo. ESCLEW determined that the school was compliant in the areas of academic and fiscal performance and in the areas of organization and operation of the school.

**FROM THE DIRECTOR:**

On behalf of Board of Education and staff, I am pleased to present the Annual Report of Horizon Science Academy Toledo (HSAT) 2011-2012.

At HSAT, we believe that education is a shared responsibility and that the successful operation of a school depends not just on the staff, but instead on a community of individuals including students, parents/guardians, and staff. Our mission is to create a partnership among the members of this triad and develop a strong community in which students not only learn but also develop into productive citizens. Together as a school community we work towards the betterment of our students, believing firmly that cooperation is key in producing success. As is written in our motto “A School Where Dreams Come True,” we are dedicated and motivated to create an environment where students can develop the academic skills, intellectual habits, and character traits necessary to maximize their potential in the future.

Last year was a success not only because we obtained an “effective” rating with the State of Ohio, but also because students came to school with smiles on their faces and left with their brains filled with knowledge. We also had an attendance rate of 93.8%, a testament to how much our students want to be in school. Our students are very involved in the club activities, and enjoyed numerous field trips opportunities at which they developed better understanding of the world in which they live in.

Our teachers and staff did a wonderful job. Together we worked to create an environment conducive to learning and promote high level thinking. All members of the staff demonstrate a passionate commitment to the students of HSAT.

The administrative team and the staff at Horizon Science Academy are caring, competent, dedicated and willing to assist the students. We are working very hard to provide the best possible learning climate for students and look forward to nothing but continued successes in the future.

Sincerely,

Murat Oguz, Director



## **SCHOOL'S MISSION**

Recognizing that educational success will be realized only when the essential underlying triad of student – teacher – parent/guardian is in harmony, the mission of the Horizon Science Academy Toledo is to create a partnership among this triad that will provide our youth with the support necessary to reach their highest potential, intellectually, socially, emotionally and physically.

The educational vision and innovation, which are crucial to accomplishing this mission, are organized under two main headings: specific elements and whole-school design. The specific design elements fall into five categories:

1. Rigorous curricula, instruction, and assessment;
2. Leadership, governance, and staffing;
3. Parent and community involvement;
4. Technology;
5. Financing.

Whole-school design involves the comprehensive and continuing effort to realize these five essential elements in an integrated manner.

It is our belief that each child has an inherent curiosity and love of learning; and that each child has a unique intelligence, level of capability, and learning style. With this in mind, we motivate our students and expect them to strive toward their highest levels of capability while addressing their individual learning styles.

It is the educator's responsibility to construct a program, which engages and motivates students to invest their talents, energy, and enthusiasm in completing their schoolwork in an exemplary manner. Individual attention in the form of one-on-one tutoring, intensive counseling and individualized goals is the key to motivating our students. Cooperation with

area universities is an effective means toward enhancing the effectiveness of our tutoring system.

Since adolescents thrive in an environment of diversity, we strive to create a diverse learning environment. Diversity is not only a motivating factor, but is an essential element in a well-rounded education. It also serves as a key to success in our diverse American society, our institutions of higher learning, and our inter-connected global economy. Multi-cultural aspects are integrated into our curricula not only through geography and foreign language but also within each of our subject areas. Our students are encouraged to make additional contact with other cultures by participating in our student exchange programs and academic Olympiads.

The development of healthy attitudes and values are integral parts to a student's success in the classroom and in the community. These attitudes are instilled most effectively through adult role models. Besides being crucial to implementation of the mission of HSAT, staff provides the most immediate role models for our students. Staff are thus meticulously selected and trained, then held to the highest standards of conduct.

It is the responsibility of the Board of Trustees, in alliance with the community, to guide the school - holding it true to its mission. To this end the Board of Trustees will provide the school with support, which will ensure optimal conditions for the achievement and continuing growth and development of each student.

Continuous improvement, persistent innovation, positive response to change, and a commitment to continuous growth will be expected of all the people and programs at HSAT. The public's resources and those of the Board of Trustees must be effectively committed to ensure that these expectations will be met. Then, and only then, will our tested educational vision, infused with the

energy of local innovation, harmonize the triad of student-teacher-parent/guardian support to accomplish our mission, that of providing each student with the motivation and resources to reach his or her highest potential and realize his or her greatest aspirations.

## **OUR SCHOOL PHILOSOPHY**

The immediate goal of Horizon Science Academy Toledo is to prepare students for academic success in their further education, to enable students to keep open a broad spectrum of options for their future endeavors, and to prepare them to be responsible and productive citizens.

We believe that an educated citizen in the 21st century must have the skills and understanding to participate and work productively in a multicultural, globally-oriented environment, including the skills required to use technology to its full potential.

## **HSAT CURRICULA AND INSTRUCTIONAL FOCUS**

The school will focus on core knowledge and essential skills so that the children may achieve the mastery upon which further learning will build. The HSAT education program also includes comprehensive health and physical education. The core HSAT grade-level outcomes meet Ohio Core Curriculum Content Standards and are defined in part by referring to existing national and international standards.

In the course of their studies, students in HSA are expected to develop and sharpen the skills necessary to formulate a question or define an issue. They will learn to find relevant information using appropriate tools and to evaluate it through critical thinking and quantitative analysis, based on which they will solve problems and make decisions. They will be able to organize and present their work both orally and in written or graphic form.

HSAT will strive to lead every student to these accomplishments, which are essential to future success in school and at work, to the responsibilities of citizenship, and to the satisfactions of a cultivated mind

## **EXCELLENCE AND EQUITY IN EDUCATION**

Interest in rigorous early education crosses all demographic boundaries. Horizon Science Academy Toledo will seek a diverse student body and offer those students both excellence and equity in education. The school's strong academic program will reduce achievement gaps by eliminating an important cause - the insufficient mastery of basic knowledge and skills required for further academic achievement. HSAT will use a variety of teaching methods to ensure mastery of appropriate skills, ideas, and knowledge for all students, regardless of race, gender, or the family's socioeconomic background.

HSAT will be responsible for meeting the educational needs of its students without parents resorting to outside tutoring provided parents/guardians support the school's mission by ensuring home study sessions and homework completion. Beyond its core program, HSAT is dedicated to challenging and stimulating every child.

## **CHOICE IN EDUCATION**

Horizon Science Academy Toledo's third main goal is to provide a real choice among education opportunities for students, parents, and teachers. The availability of choice is an important element in educational accountability and promotes higher standards throughout the system.

Those students whose families prefer a rigorous early education may choose HSAT, while remaining free to return to the regular public schools in the district of their residence if they become dissatisfied. This mechanism puts emphasis on the needs of the students, and helps to ensure that these needs are met in either regular public schools or HSAT. The accountability that choice encourages will also help maintain strong public support for public education as a whole.

By meeting its objectives, Horizon Science Academy Toledo will provide children with a positive educational and social experience in a structured, challenging yet nurturing environment. It will be a community in which students, teachers, and parents are jointly aware of and committed to the mission and goals of the school.

### **SPECIFIC OBJECTIVES**

- 1) The school incorporates an integrated curricula organized around global themes to ensure that each student will acquire and apply core concepts and principles from math, science, technology, social studies, language arts, communication, creative arts, vocational, and practical living skills to situations similar to what they will experience in life.
- 2) Each student will gain an understanding of his/her individual learning style and intelligence, and will develop strategies to adapt these to different situations/tasks. Each student will develop life-long learning skills including self-assessment,
- 3) Goal-setting, critical thinking, information processing, problem solving, effective communication, collaboration and cooperation, self-discipline, and creative expression.
- 4) All work at HSAT will be undertaken in a manner that supports, embraces, and

demonstrates the effectiveness and efficiency of participatory and developmental leadership and coalition building.

- 5) HSAT will promote the importance to the community of conveying to youth a sense of purpose, belonging, and to foster an understanding of the influence these factors can play in the growth and development of these students.

## ABOUT HSAT

Horizon Science Academy Toledo (HSAT) is a public school, which is funded by public sources and operated independently by a board of trustees under a charter granted by the Board of Education of the state of Ohio.

The purpose of the Horizon Science Academy Toledo is to fully prepare students to carry the torch of knowledge, freedom, and prosperity which is passed from generation to generation in this great country. HSAT is a small, structured school, with approximately 230 students attending at full enrollment in grades 9-12 delivering a rigorous, innovative educational program integrating the following themes:

**Curricula:** The core curriculum is providing students with a rigorous program of studies in the areas of mathematics, science, social studies, and language arts. The school has high expectations of all students, and develops and monitors individual plans for them.

**Attitudes:** Reinforcement of productive attitudes toward work, community, school, friends, and self; a willingness to sacrifice for the common good, as well as for personal fulfillment; deep respect for family, school and community; and the capacity to appreciate the opportunities life offers.

**Individual attention:** The importance and abilities of each individual student is a focal point at all times. Each and every student at HSAT is regarded as a unique, valued and vital member of the school community;

**Participation:** Community service is embedded through the curriculum to perpetuate constructive participation by students, parents, staff, and citizens in the life of the school and the community and directly carry the school experience into the real world, through higher education, work, family, and community and civic affairs;

**Reform and Accountability:** At HSAT, education reform is the initiating and guiding principle, with excellence as a standard, as well as the goal, the school must achieve to remain in business. Accountability is clear: just as business must adapt itself to new technologies, new demands from its consumers, and the invention of new or the obsolescence of old products to thrive, so must education.

Priorities and policy discussions focus on the students. Teachers lead in every sector. Parents and students will be expected to volunteer their time, and participate from the beginning in programs and policy development, including a dress code, code of conduct, cultivation of a healthy and respectful atmosphere in the school, and selection of exploration programs. Students and staff participate in regular HSAT meetings and assemblies as a crucial component in the development of school government.

HSAT is committed to modeling new ways of returning tax and private dollars to the classroom keeping overhead costs at a minimal level so that at least three-fourth of total expenditures is at the classroom level. HSAT addresses social issues such as drugs, violence, and health at an age appropriate level, through the prism of community service learning techniques.

In accordance with its staff, the Board of Trustees establishes the hiring and employment practices of the school. To correlate to their professional colleagues in the business community, teachers receive performance-based pay, as well as professionally designed training and development programs that draw on the most advanced practices.

In order to support all school families, the school is open from 7:30 a.m. until 4:30 p.m.,

with academic hours from 8:00 a.m. until 2:15 p.m. (These hours may be adjusted based on need.) Recognizing the enormous stresses of modern life, families are supported in contributing to the success of their children's education in a manner that enhances family life. The school stresses an atmosphere of trust, safety, structure, open communication, and ownership through use of community service learning, class meetings, assemblies, workshops, community open houses, student performances, and student/teacher/parent goal setting and assessments. The Horizon Science Academy Toledo is directly accountable to the people of Toledo just as in any business.

**Transportation options:** Horizon Science Academy Toledo offers free TARTA passes to its students.

**Satisfactory discipline:** In order to fulfill our commitment to educational excellence that is described in our educational philosophy, Horizon Science Academy Toledo must

eradicate interruptions and situations that hinder forward progress. Students come to Horizon Science Academy Toledo with a firm understanding of the high expectations and commitments that we ask of the student as well as the family. Upon enrollment, all families are asked to review and sign a contract that outlines the standards we expect our students to adhere to without exception. Each family receives a Horizon Science Academy Toledo Handbook that explains in depth each requirement and the conditions of enrollment. Also each requirement is accompanied by the consequence thereof.

**Dedicated staff:** Horizon Science Academy Toledo employs its staff on a yearly basis. The point behind this is to be able to hire the most effective and dedicated candidates. Horizon staff attends seminars and workshops to raise themselves to deliver better and well-tailored education. They are also required to provide one-on-one tutoring for after-school hours

## **FIVE ESSENTIALS OF HSAT**

### **1. Expectations**

HSAT has clearly defined, measurable high expectations for academic achievement and conduct. We do not allow the backgrounds of students to be an excuse for failure to thrive. Students, parents, teachers, and staff create and reinforce a culture of achievement and support. To accomplish this task, we use a range of formal and informal rewards and consequences for both academic performance and behavior.

### **2. Commitment**

HSAT is a school of choice. Because students elect to come to the school, and are not forced to, we expect them to make a willing commitment to the educational institution. All students are expected to demonstrate their commitment to the school and show a willingness to put in the time and effort required to achieve success.

### **3. Determination**

HSAT knows that there are no shortcuts when it comes to success in life. Because our students are so determined to make their dreams reality, they willingly put in extended

hours at school and attend school more days than other areas school. This gives our students time to acquire the academic knowledge and skills that will prepare them for competitive high schools and colleges.

### **4. Involvement**

At HSAT we recognize that great schools require strong commitment from the students and extensive parent involvement. We encourage our parents to come into the school as often as possible, acting as part of a team working to help students succeed. We also encourage students to view our school as more than just a place to learn but instead as a place to grow, mature and crafting lasting friendships. We offer numerous projects, competitions and trips to allow students the opportunity to be extensively involved in our school.

### **5. Focus**

All students and staff at HSAT remain focused on the end goals: academic success and development, throughout the school year. From the first day of school on, we keep these goals in mind and allow them to guide our actions.

## **ACADEMIC ASPECTS AND IMPROVEMENTS**

Through the use of the Grade Chair and Department Head system, we aim to promote academic excellence. These systems promote teacher collaboration and provide the opportunity for effective monitoring of instruction and curriculum practices, having positive effects on our students and our school as a whole.

### **Department Head**

The Department Head is responsible for the administration and leadership of departmental programs and acts as a lead teacher within his/her department. Along with occasionally observing teachers in his/her department, this head promotes collaboration and best practices sharing, helping to ensure that the education students receive is as high quality as possible.

### **Grade Chair**

Collaboration doesn't only happen within the departments at HSAT. All teachers also attend bi-weekly grade chair meetings in which they meet with other teachers. At these meetings, teachers discuss students with whom they are struggling, working together to develop plans to ensure that their students are optimally successful.

### **School Database system**

HSAT parents have a unique username and password to access school database to view their child's daily progress, grades, assignments, attendance and discipline records. This system allows parents to play a more active role in their children's education.

## **PARENT VISITS**

Home visits are a key part of the Horizon Science Academy Toledo Program. Annually, teachers venture out into the community and visit students and their parents at home. This is a great way to show parents and students that we care about the pupils in our charge as well as to get to know our students on a more personal level. This closeness that arises from visiting students and parents in a social context allows for a greater trust and understanding between teachers and students both in and out of school.

# HSA TOLEDO 2011-12 IN NUMBERS

- Number of Students: 230
- Number of Teachers: 22
- Number of Administrators: 5
- Student/teacher ratio: 10/1
- Attendance rate: 93.8%
- Performance Index Score: 92.3
- % of State indicators met: 58.3%
- AYP: MET
- School Rate: Effective
- Seniors who have been accepted into Universities or Military 100%
- Total amount of scholarships awarded to HSAT class 2012 \$1,145,000
- Student Demographic Distribution
  - Black, non-hispanic 68.1%
  - Hispanic ---
  - White, non-hispanic 11.1%
  - Multi-Racial 17.3%

## HORIZON SCIENCE ACADEMY TOLEDO BOARD MEMBER ROSTER

Name	Board Position	Address	Phone	Email
Murat Gurer	President	27645 Bishop Park Dr. Apt 710 Willoughby Hills, OH 44092	(440) 520-2269	<a href="mailto:mgurer10@gmail.com">mgurer10@gmail.com</a>
Fuat Bicer, M.D, Ph.D.	Member	8425 Euclid Ave. Cleveland, OH 44106	(832)260-8125	drfbicer@hotmail.com
Jacqueline Blueitt	Member	1675 Avondale St., Toledo, OH 43607	(419)309-3322	<a href="mailto:fingers@buckeye-access.com">fingers@buckeye-access.com</a>
Mustafa Ilgin	Member	1220 S. Reynolds Rd, Toledo, OH 4315	(419)376-0179	<a href="mailto:quadbaba4@yahoo.com">quadbaba4@yahoo.com</a>
Celal Perihan	Member	4100 Westbrook Dr. Brooklyn, OH 44144	(216) 543-9143	<a href="mailto:celalperihan@gmail.com">celalperihan@gmail.com</a>

## HSAT ADMINISTRATION

**Mustafa Yazici**

Director

**Murat Oguz**

Assistant Director

**Anna Gentle**

Instructional Coordinator

**Rachel Snyder**

Dean of Students

**Shelley Wilbert**

Director of College Guidance

**Horizon Science Academy Toledo High**  
*Statement of Revenues, Expenses and Change in Net Assets*  
*For the Fiscal Year Ended June 30,2012*

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**OPERATING REVENUES:**

Foundation payments	\$1,651,741
Food services	1,762
Classroom fees	5,873
Extracurricular activities	11,778
Other revenue	<u>15,699</u>
Total operating revenues	<u>1,686,853</u>

**OPERATING EXPENSES:**

Salaries	1,168,478
Fringe benefits	346,586
Purchased services	726,807
Materials and supplies	100,676
Capital Outlay	46,063
Miscellaneous	<u>45,126</u>
Total operating expenses	<u>2,433,737</u>

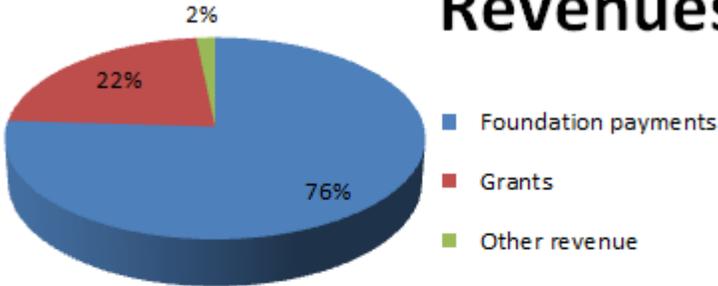
Operating loss (746,884)

**NON-OPERATING REVENUES (EXPENSES):**

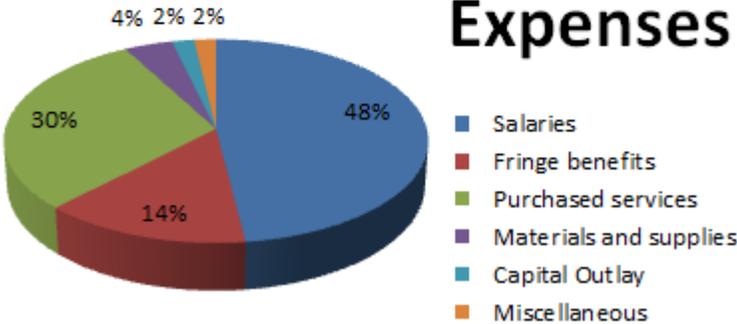
Restricted grants in aid - federal	485,604
Restricted grants in aid - state	<u>1,621</u>
Total non-operating revenues (expenses)	<u>487,225</u>

Change in net assets **(259,659)**

# Revenues



# Expenses



# HSAT ACTIVITIES 2011-2012

## Basketball Tournament

The HSAT girls and boys basketball teams participated in the Concept Schools Basketball Tournament. In addition, both teams participated in a CSAC charter school league.



## Black History Month Celebration

In celebration of African American History Month, the Social Studies department hosted an African American History program. The program was held on February 15<sup>th</sup> in the Seagate Center. The speaker, Mr. James Jackson, is a motivational/educational speaker that inspired our students. HSAT students read poems and the HSAT choir sang "Lift Every Voice and Sing", composed by James and John Johnson.



## CONSEF Science & Engineering Fair

Students participated in the 9th annual CONSEF (Concept Schools Science & Engineering Fair). This experience added great depth and understanding to the relationship between science and society. Students developed more self-confidence, critical thinking skills and focus on scientific inquiry.

## Community Outreach

Key Club and National Honor Society sponsored a pop tab drive to benefit The Ronald McDonald House. They collected over 1,000 pop tabs.



## HSAT Honors Banquet

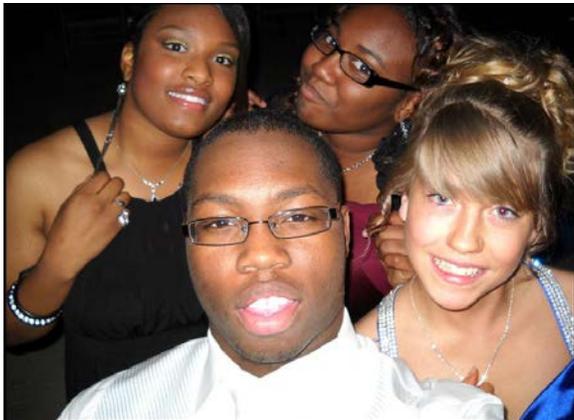
As a token of appreciation towards our academic achievers, we held our yearly Honors Banquet. As per their GPA scores, students received certificates in three different categories:

- \* Honor Roll: Students with GPA 3.00 - 3.49
- \* High Honor: Students with GPA 3.50 - 3.99
- \* Honors with Distinction: Students with GPA 4.00 or above



### **Financial Aid Dinner**

HSAT seniors and their parents enjoyed an informational evening at the 5th annual Financial Aid Workshop Dinner. Mrs. Betsy Johnson, Dean of student enrollment at Owens Community College, presented the workshop to help students complete the FAFSA (Free Application for Federal Student Aid). Mrs. Johnson also provided students with tips to get the best financial aid package.



### **Prom & Graduation**

Approximately 50 HSAT juniors and seniors attended the 2012 prom and enjoyed the evening dancing with friends.



## Talent Show

HSAT students from grades 9-12 participated in the Talent show in the HSAT cafeteria. The audience of parents, students, family, and friends enjoyed a variety of acts that included singing, dancing, and a skits.



## Speech and Spoken Word Competition

The annual Concept School's Speech and Spoken Word Competition was a huge success for HSAT. Students participated in three categories: Free Form, Recitation, and Persuasive Speech. All students did an outstanding job and because of their amazing efforts, HSAT came in first place among all participating schools.



## Spanish Spelling Bee

Two HSAT students were selected to participate in the second annual Spanish Spelling Bee in Cleveland. Students received awards for participation and enjoyed gaining experience in the foreign language.