HSA CHS is open to all students, regardless of academic achievement, race or economic background. There are no entrance exams or tuition.

HSA CHS is managed by Concept Schools, a charter management organization that serves 13,000 students in 30 successful charter schools in 7 Midwest states.
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Dear HSA Family and Friends,

A National Blue Ribbon School of Excellence!

Horizon Science Academy Columbus High School (HSA) was one of only 269 schools nation-wide designated as a 2012 National Blue Ribbon School. HSA was also listed as a Bronze School in the 2013 US News & World Report’s Best High Schools list. These accomplishments affirm the great work done by our dedicated staff, hardworking students, supportive families and the commitment of our management company, Concept Schools.

Our 2015 Graduating class was awarded around $6 million in scholarships through 4 years. Among our 76 seniors, 74 of them graduated and we are working with the other 2 closely to make sure they graduate.

We are working hard this year to make sure we gather all the data for all of our students so our cohort graduation rate reflects the reality we observe in our building.

On behalf of the entire Horizon Science Academy staff and community, I wish our class of 2015 the best for a great future.

Sincerely,
Onder Sechen, Principal
MISSION

We prepare students to succeed in college and the world by offering high-quality, college-prep, STEM education.

VISION

Our students will achieve 100% graduation and college acceptance.

CORE VALUES

Horizon Science Academy Columbus High School promotes six core values to guide its interactions with all members of the school community:

Respect – All members of the school community (students, parents, and staff) have equal worth and should be treated with respect.

Responsibility – All people have choices, and teachers, parents, and students should be responsible for their actions.

Integrity – Belonging to a community requires a commitment to the common good. The community is stronger when everyone can be counted upon to be honest and trustworthy.

Courage – Having the courage to try new things expands minds and causes students, parents, and staff to reach beyond their own expectations.

Curiosity – The ability to wonder and to create connections stimulates further learning. Inquiry will be fostered on the part of parents, staff, and students.

Effort – Success is accomplished when students, family, and staff are willing to do what it takes to accomplish their vision of the future.
Ohio Revised Code (ORC) 3314.03(D)(2) specifies that the sponsor of the school must “monitor and evaluate the academic and fiscal performance and the organization and operation of the community school on at least an annual basis.” In addition, under ORC 3314.03(D)(3), the sponsor must “report on an annual basis the results of the evaluation conducted under division (D)(2) of this section to the department of education and to the parents of students enrolled in the community school.”

The Educational Service Center of Lake Erie West served as sponsor for Horizon Science Academy – Columbus High School during the 2014-2015 school year. ESCLEW monitored the school’s academic and fiscal performance, as well as organization and operation of the school, and determined that the school was overall compliant.
DEMOGRAPHICS

Gender
Female 275 54.2%
Male 232 45.8%

Ethnicity
Black/AfricanAmerican 88.8%
Hispanic/Latino 5.3%
Multiracial 3.2%
White 1.8%
Other 1%

Average Attendance Rate: 94.6%
Seniors: 79  
Graduated: 77

Graduation Rate
Seniors: 79  Graduated: 77

College Acceptance
Seniors: 79  Accepted: 79

Economically Disadvantaged
100%

Graduation Rate
97.4%

4-Year Graduation Rate: 83.1%
83.1%

College Acceptance
100%
There were over 100 students from several different charter schools from Columbus, Cleveland, Cincinnati, Toledo and Dayton. Horizon Science Academy Columbus High School participated in this event and enjoyed continued success thanks to our students and faculty.

We also organized the 15th Annual Project Fair, which is an opportunity for students to conduct a scientific research study under the careful guidance of our teachers experienced in those subject areas.

These kinds of projects have the potential for building a student’s self-esteem by allowing for individualized attention and thus the expression of individual differences. Students who have difficulty achieving high grades on any test may shine in the course of doing such projects. This success builds morale that carries over to other areas in the regular classroom.

- Students learn a great deal by observing and communicating with others working on different subject areas.
- Projects help students view the world from a broader perspective.
- Students will develop reading and writing skills that enable them to master a sequence of related concepts appropriate for their development level of maturity. An understanding of these concepts helps students develop their own innate abilities to the fullest extent possible.

The Project Fair featured four subject areas, MATH, SCIENCE, COMPUTER, and SOCIAL ARTS. There were over 80 projects in the science fair.

The project fair was conducted in November 2015. Students who ranked 1st, 2nd, and 3rd at this project fair were also qualified to participate in District Science Fair and the Concept- Ohio Charter Schools Science and Engineering Fair.
Congratulations to Lord B. for winning 1st place for his persuasive speech and to the Columbus High School team for winning 2nd place for their group performance at the Spoken Word competition on May 2nd at the Columbus Museum of Art.
MathCon is an event where many schools in the Concept Network compete to highlight their ability in Math. This year several of our students met the prerequisite scores to enter into the contest and placed highly.
EXTRA-CURRICULAR ACTIVITIES

Hawk Honors Breakfasts and Dinner

Here at Horizon Science Academy High School we have a program titled Hawk Honors. We congratulate the students who have met the criteria to receive a Hawk Honors card by inviting them to a breakfast and dinner held in their honor. These students had to maintain a GPA of 3.00 or higher for a Maroon Card or a 3.50 or higher for a Gold Card, have no more than 2 absences in the 9-week period and receive no suspensions from school. Each year about 1/4 of our students achieve this distinction.

Choir

For the past 7 years the choir at Horizon Science Academy High School has participated in a competition sponsored by Music Showcase Festivals. The choir prepares three selections to perform before a panel of judges. We then get to spend the rest of the day at the local amusement park. Choirs have a choice to go to either Cedar Point or Kings Island. At the end of the day, Music Showcase Festival has an awards ceremony at the park to honor the choirs that have participated in the competition. Each year our choir has received either a first-place or second-place trophy in our division. In the 2014 competition, we received the honor of several students receiving individual trophies for outstanding soloists and the choir placed highly as a whole.

National School Choice Week

To celebrate National School Choice Week in January, all of our schools hosted a National School Choice Community Luncheon. It takes a number of people to make our schools successful but overall, it is the choice of the parents to send their children to our schools. We wanted to make sure that they knew how important they were.
The Horizon Athletic Program, led by Mr. Thomas Edwards, Athletic Director, has grown over the course of many years. Horizon Sports teams are members of the Ohio High School Athletic Association and participate in seasonal and tournament play. Sports offered this year include Boy’s Soccer, Girls Volleyball, Boys and Girls Cross Country, Boy’s and Girls Basketball and Track and Field. All of these teams made great strides during the year, notably the Cross Country team which competed in District and Regional Competition. All of these teams are composed of dedicated athletes and coaches, who give so much of their time and effort to their teammates and athletes.

Concept Art Show

All of the Columbus Schools participated in the Concept Art Show. The event was held at the Columbus Museum of Art and was then displayed at the International Conference on Education (ICE) in Chicago.

Ivy League Mentorship Program

For an elite group of students, the Ivy League Mentorship program (IMP) was created to challenge the students more academically and within activities provided by the school. The students attended meetings, took trips, and learned what it takes to become a part of an Ivy League school.

Horizon Athletics

The Horizon Athletic Program, led by Mr. Thomas Edwards, Athletic Director, has grown over the course of many years. Horizon Sports teams are members of the Ohio High School Athletic Association and participate in seasonal and tournament play. Sports offered this year include Boy’s Soccer, Girls Volleyball, Boys and Girls Cross Country, Boy’s and Girls Basketball and Track and Field. All of these teams made great strides during the year, notably the Cross Country team which competed in District and Regional Competition. All of these teams are composed of dedicated athletes and coaches, who give so much of their time and effort to their teammates and athletes.
During this school year our school instituted a program of grade-level and event dinners. These dinners were open to families of all of our grade levels and for special events, such as our Hawk Honors Alumni Organization and National Honor Society Induction.

On May 30, 2015 at 5:00PM Horizon Science held its 15th graduation ceremony at Upper Arlington High School. It was a very inspiring evening for students, parents and staff. The program included a keynote speaker, and three speakers from the 2015 class, Mohammed Moumen and Lord Boachie, were the Valedictorian and Salutatorian. A full house of parents, faculty, relatives, and friends were there to show their pride and support as the seniors graduated.

Horizon Science Academy is fortunate to be a school where many diverse cultures interact on a daily basis. In celebration of this diversity, one of the school leadership groups worked very hard to create an International Festival in which all were invited to participate. This event highlighted the different music, art, fashion, cuisine and dance of cultures represented by our student body.

1070 RYZE

1070 RYZE is a student performance group that was established in 2010 under the guidance of Mr. Casanova Green. This group has many different performances during the year, ranging from Spoken Word Competitions and Black History Month Performances to Open Mike Nights and Poetry Slams. This group involves anywhere from 30-60 students in a variety of different roles ranging from performance to stage craft.
HSA is offering several extra-curricular programs for students during the school day weekly. These programs all revolve around “The Leader In Me” program which utilizes Covey’s 7 Habits of Highly Effective People as a guideline to success. These clubs range from social interests to school community and interest groups.

Extracurricular school activities are important in making students well-rounded people. Clubs and organizations enrich students’ education and help them develop new social skills. Activities held after school can be more relaxed and informal due to smaller groups than the average classroom; it gives teachers an opportunity to teach concepts in a less strict environment. For example, teachers may be able to use games to review and build skills. Clubs and activities give students opportunity to socialize with teens outside their social circle and have fun without the threat of peer pressure and unsafe influences.

This newsletter is mailed every month to families of Horizon students. Important information from the Director, Deans, Guidance Counselor, Teachers, Students and PTO is provided in the newsletter.

Horizon Science Academy initiated a Parent Teacher Organization during this school year, replacing a previous organization that existed known as HCP. Our PTO is striving to get parents more involved with the school. At many school events they had a table set up to share information, recruit members and raise funds for activities during the year. With a goal to make the school more accessible to parents in the future, we hope that parents choose to be involved and help this new organization to grow.
Teamwork and the collective effort of teachers, parents and administration make Horizon Science Academy strong. We strive to assist our students in reaching their goals by orienting them for a successful college experience, helping to clarify career and academic goals, assisting with course selection and offering counseling to assist them with personal concerns, organizing SAT Camps, college trips, inviting guest speakers from community and different colleges to talk on a variety of educational and career topics for career planning.

The counseling department also guides and encourages students to participate in early college experiences such as AP courses offered on campus as well as participation in the Post-Secondary Enrollment Option Program. PSEOP provides student with the unique opportunity of dual enrollment where as regular high school students attend on college classes on college campuses and earn credits that will follow them for a lifetime.

**College Fair**

Horizon Science Academy hosted an Alumni College Fair, held in our upper commons for our students. Traditionally our students would visit local campuses or meet with college/military recruiters. This year, nearly a 20 Horizon Columbus Alumni showed up to meet and educate our students as to the numerous options offered by the schools they attend as well as help them become more mindful of what path they may choose to follow in a post high school world.

**Exit Interviews**

Mrs. Magner’s students, in an effort to become prepared for post-secondary and career interviews, where required to create a portfolio exhibiting their skills and achievements, as well as a resume with references. These portfolios were used in an interview where community and staff members interviewed and rated each student, providing them with valuable feedback and skills they will need in the real world.
1. 75% percent of the students will pass Ohio Graduation Test (OGT).

2. Horizon Science Academy will have the 15th Annual Science Fair and will participate District and State Science Fair Competitions.

3. Student Retention Rate for next year will be targeted at 90%.

4. Attendance Rate will be minimum 93% by the end of the 2014-2015 school year.

5. Each subject teacher will lead a student activity throughout the year (Clubs, sports, e.g.).

6. Science and Math Teachers will develop advanced study teams which have already been established.

7. We will participate in citywide, statewide, and nationwide competitions and fairs. We will also participate any international science competition if our school is invited.

8. The high school senior graduation rate will be 100%.

9. Monday, Wednesday, and Thursday will be tutoring days for students. The tutoring hours are between 3:00pm and 3:45p.m.

10. HSA Columbus High School is targeting to keep the enrollment 475 students.

11. Each teacher will organize at least one in-town field trip throughout the year.

12. HSA Columbus High School is planning to get more grants. We'll apply for as many grants as possible.

13. HSA Columbus High School will form active parent committees that will help school with fundraising, public relations, and so forth.

14. HSA Columbus High School will meet AYP requirements.

15. HSA Columbus High School will continue to have very active and interactive Web page which was designed by Concept Schools.
VIP GUESTS

STEM at the Ohio Statehouse

On April 18th, the 17 Ohio Concept schools met at the Ohio Statehouse to participate in STEM and Robotics demonstrations. State Senators and Representatives visited the students as well as State Auditor Dave Yost.

Visit to Senator Bob Peterson and Senator Sondra Williams

The Student Ambassadors met with Senators Bob Peterson and Sondra Williams at the Ohio Statehouse in March. They spoke to them about their positions on the Senate Education committee and their commitment to the State of Ohio.

STEM at the Ohio Statehouse

On April 18th, the 17 Ohio Concept schools met at the Ohio Statehouse to participate in STEM and Robotics demonstrations. State Senators and Representatives visited the students as well as State Auditor Dave Yost.
Horizon Science Academy of Columbus  
Statement of Revenues, Expenses and Change in Net Position  
For the Fiscal Year Ended June 30, 2015

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<th>Category</th>
<th>Amount</th>
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<tbody>
<tr>
<td><strong>Operating Revenues:</strong></td>
<td></td>
</tr>
<tr>
<td>Foundation payments</td>
<td>$3,603,304</td>
</tr>
<tr>
<td>Classroom fees</td>
<td>24,849</td>
</tr>
<tr>
<td>Extracurricular activities</td>
<td>18,461</td>
</tr>
<tr>
<td>Other revenue</td>
<td>76,262</td>
</tr>
<tr>
<td>Total operating revenues</td>
<td>$3,722,875</td>
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<tr>
<td><strong>Operating Expenses:</strong></td>
<td></td>
</tr>
<tr>
<td>Salaries</td>
<td>1,843,018</td>
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<tr>
<td>Fringe benefits</td>
<td>353,374</td>
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<tr>
<td>Purchased services</td>
<td>1,391,557</td>
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<tr>
<td>Materials and supplies</td>
<td>299,248</td>
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<tr>
<td>Depreciation</td>
<td>136,895</td>
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<tr>
<td>Miscellaneous</td>
<td>99,346</td>
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<tr>
<td>Total operating expenses</td>
<td>4,123,438</td>
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<tr>
<td>Operating loss</td>
<td>($400,563)</td>
</tr>
<tr>
<td><strong>Non-Operating Revenues:</strong></td>
<td></td>
</tr>
<tr>
<td>Restricted grants in aid - federal</td>
<td>806,714</td>
</tr>
<tr>
<td>State and other grants</td>
<td>72,389</td>
</tr>
<tr>
<td>Total non-operating revenues</td>
<td>879,103</td>
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</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Change in net position</td>
<td>478,540</td>
</tr>
<tr>
<td>Net position, beginning of year</td>
<td>($4,076,624)</td>
</tr>
<tr>
<td>Net position, end of year</td>
<td>($3,598,084)</td>
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</table>

Revenue:
- Foundation payments: 78%
- Federal grants: 18%
- State and other grants: 2%
- Other revenue: 3%

Expenses:
- Salaries: 45%
- Fringe benefits: 9%
- Purchased services: 34%
- Materials and supplies: 7%
- Depreciation: 3%
- Miscellaneous: 2%
BOARD OF DIRECTORS, ADMINISTRATORS

Board of Directors
Nuh Aydin, PhD, President
Enver Ozer, MD
Zafer Alpay
Adem Cakmak, PhD
Veysi Malkoc, PhD
Jane Smirniotopoulos, PhD

Administrative Team
David Disli, Superintendent
Onder Sechen, Principal
Michelle Magner, Instructional Coordinator
Andrea Inman, Dean of Students
Scott Hawley, Dean of Students

ACADEMIC ASPECTS, IMPROVEMENTS

HSA Columbus is taking strong steps toward academic excellence by its strong academic set-up. Our Grade Chair and Department Head systems have a lot to do in pursuing our standards.

Horizon Science Academy Columbus High School is a community 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.
HSA Columbus High School is part of a larger network, Concept Schools, with a successful track record.

Chicagoland-based Concept Schools (Concept) is a not-for-profit charter school management organization that currently manages 30 high-quality charter schools in seven different Midwest states.

All Concept-managed schools implement the same educational design created by Concept.

Each school has its own board of directors that consists of local individuals who are scientists, educators, businessmen and women, engineers, attorneys, and community leaders. Concept contracts with local boards to manage the schools and implement its successful design.

Besides providing comprehensive management services to the schools, Concept organizes many events to provide our students with additional opportunities of recognition beyond their schools.

Success from the National Blue Ribbon School Award

Two Concept-managed schools received the prestigious National Blue Ribbon School Award by the U.S. Department of Education: Horizon Science Academy Cleveland High School (2009) and Horizon Science Academy Columbus High School (2012).

Horizon Cleveland was one of the 10 charter schools nationwide and the only charter school from Ohio, out of 350, to receive the award.

Horizon Columbus High School is the only charter school in Ohio to receive the 2012 National Blue Ribbon Award.

Excellent Ratings

Four of the Horizon Science Academies in Ohio are rated “Excellent” by the Ohio Department of Education in 2012. These schools are:

- HSA Springfield
- HSA Cleveland High
- HSA Cleveland Middle
- Noble Academy Cleveland

An Outlier: HSA Cleveland Middle

HSA Cleveland Middle School was featured in a report, “Needles in a Haystack,” by the Thomas Fordham Institute in 2010.

The report identified eight outlier schools that “showed significant achievement for disadvantaged youngsters from depressed inner-city communities.”
Horizon Science Academy Cleveland High School made the “America’s Best High Schools” list by U.S. News & World Report twice, in 2008 and 2010. The Report analyzed almost 19,000 public schools in the United States to develop the list. HSA Columbus High School made the “America’s Best High Schools” list by U.S. News & World Report in 2013.

Noble Academy Cleveland was rated “Excellent with Distinction” by the Ohio Department of Education in 2010. Noble was the only charter school to receive such rating out of 350 charter schools.

Three of the Horizon Science Academies made the annual “Schools of Promise” list released by the Ohio Department of Education thus far. These were:
- HSA Cleveland High
- HSA Columbus High
- HSA Toledo High

Concept Schools Network

U.S. News & World Report Best High Schools List

Horizon Science Academy Cleveland High School received the federal “Distinguished School Award” by the National Association of State Title I Directors for closing the achievement gap between minority and white students in 2010.

Excellent with Distinction Rating

Noble Academy Cleveland was rated “Excellent with Distinction” by the Ohio Department of Education in 2010. Noble was the only charter school to receive such rating out of 350 charter schools.

Stanford CREDO Study High-performing EMO

Concept Schools was named among the highest-performing educational management organizations in 25 states in this in-depth 2013 study.

Second to None

Chicago Math and Science Academy was the highest-performing non-selective high school out of 97 within Chicago Public Schools, based on the Illinois PSAE test, in 2008. In 2011 and 2012, Gateway Science Academy became one of the highest-performing charter schools in St. Louis in its first two years of operation. Michigan Math and Science Academy was the highest performing school in its region with an “A” on its annual report card from the Michigan Department of Education in 2011.

Robotics Team Champion’s Award

Horizon Science Academy McKinley Park Hawks on the Horizon are the 2014 FIRST Robotics Competition Midwest Regional Champions. In 2013, HSA Cincinnati Wolves advanced to the World Championship and CMSA RoboTitans were invited to the North America Championship due to their success in Illinois State Tournaments.

2014 STEM Pioneer Leadership Award

The International Association for STEM Leaders recognized Concept Schools for its “world-class academic programming that prepares students for both college and future careers in STEM fields.”
1. School has a friendly and welcoming atmosphere for parents.
2. School cares about students.
3. School has high expectations with regard to student achievement.
4. School has a positive atmosphere for learning.
5. School offers strong academic program.
6. School is supportive of parents and handles my concerns in a timely manner.
7. School has resources necessary to work effectively.
8. School prepares students to do well on the state, district, and classroom assessments.
9. My child is given challenging work at school.
10. My child looks forward to coming to school.
11. School enforces the rules.
12. School clearly communicates the rules and expectations.
13. School promotes a drug-free environment.
14. School makes sure students are safe while on school grounds.
15. School building is neat, clean, and well-maintained.
16. School disciplines students fairly.
17. School helps students improve their behavior when they break rules.
18. School employs staff who act in a professional manner.
19. School teaches students to value, respect, and tolerate differences in others.
20. School allows me to express my opinion or speak up at school meetings.
21. School sends me information about the school on a regular basis.
22. Administration is easily accessible.
23. Administration communicates school's mission/vision/goals effectively.
24. Teachers are easily reachable and get back to me when needed.
25. School provides parents with opportunities that I would not otherwise have in other schools.
26. I am pleased with the socio-emotional growth of my child.
27. I am pleased with the academic progress of my child.
28. I am always included in decisions by the school that affect my child's performance.
29. I am very pleased with my child's school.
30. I would recommend this school to any other parent without hesitation.
The Horizon Science Academy Columbus has brought a unique perspective to the charter school paradigm. Its mission, philosophy and curriculum are unique.

The school staff and administration have gained invaluable experience during the school year, which will make the school much more successful in the years to come. Also, the public has become more aware of Horizon Science Academy's mission to provide an alternative education focusing on science, math and technology, which has increased school enrollment and support. With the increase in the number of students and experience, Horizon Science Academy Columbus is confident every aspect of education will improve this year and in the years to come.

Receiving National Blue Ribbon Award in 2012 was proof of this confidence. Teachers meet every week by grade level to discuss student success and issues which need to be addressed.

During the meetings teachers strive to find creative ways to create a sense of community and students, parents, and teachers. This approach has led to continued improvement in all areas of the students’ educational experience, and will continue to be the foundation on which Horizon Science Academy’s future is built.