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 Ohio Department of Education.

Horizon Science Academy Columbus High School is open to all students, regardless of academic achievement, race, or economic background. There is no entrance exam or tuition.

Horizon Science Academy Columbus High School is managed by Concept Schools. Concept Schools is a non-profit charter school management organization that manages or operates 30 public charter schools of over 13,000 students throughout the Midwest. Our college-prep curriculum is STEM-based, and like any other public school, each school in the Concept network is highly regulated and overseen by their respective school districts and charter authorizers. Schools within the Concept Network are continuously recognized for their excellence in education.
Greetings HSA Family and Friends,

What a privilege it is to work with such an exceptional group of passionate and dedicated teachers and students! It is with great pleasure that I present this annual report, along with my introduction as the new principal at Horizon Science Academy Columbus High School. I am honored to become a part of this thriving community, and look forward to supporting our students and staff moving forward.

I believe that Columbus, OH is one of the best cities in the Unites States, it has many good and hard working people. I am proud to be a member of HSA Columbus High School and serving this great city and its residents.

Our graduating class at HSA received more than $9 million in grants and scholarships last year at some of the top schools in the nation, with a 100% college acceptance rate. By continually focusing on positive school culture, setting up high expectations for all the students, providing supportive systems to meet those expectations, and actively engaging the community, we hope to make sure that all our students are on track to be college and career ready.

The very first months of my experience at the school has affirmed to me that this is indeed a unique and special place. We have staff and students from such diverse backgrounds that facilitates a wealth of ideas and academic interactions, which in turn guarantees a productive environment for anyone in the school community.

I encourage our family and friends to reach out to us with any ideas and suggestions. We look forward to your involvement and participation as we strive towards a productive academic year with engaging, meaningful and rigorous work in our classrooms, combined with co-curricular and extracurricular activities, athletics teams and Concept Young Scholar Program and special events.

On behalf of the entire Horizon Science Academy staff and community, we thank you.

Sincerely,

Davut Piraz, 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
HSA Columbus High 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.
Educational Service Center of Lake Erie West

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 (ESCLEW) served as the sponsor during the 2015-2016 school year, monitoring the performance of Horizon Science Academy Columbus. ESCLEW determined that the school was overall compliant in the areas of academic and fiscal performance and in the areas of organization and operation of the school.
BOARD OF DIRECTORS
Mr. Zafer Alpay, President
Mr. Enver Ozer, MD
Mr. Nuh Aydin, PHD
Mr. Natenon Tongtae
Mrs. Connie Robinson Carter

STAFF MEMBERS
Kristen Johnston, RN
Leyla Mire, Administrative Assistant
Sherita Hunter, Administrative Assistant
Valerie Anderson, Community Engagement Coordinator
Magdalena Berry, Food Service Director

SCHOOL LEADERSHIP TEAM

Murat Efe, Superintendent
Davut Piraz, Principal
Scott Hawley, Assistant-Principal
of School Culture
Michelle Magner, Assistant-Principal
of Academics

Celal Sarikamis, Assistant-Principal
of Operations
Kylee Peoples, Assistant Principal
of School Culture

Melissa Herman, RTI Coordinator
Denise Yorde, Special Education Coordinator
Shannon Mulroy, 11th-12th Grade Leader
Renee Lucas, 10th Grade Leader
Steve Brown, 9th Grade Leader
STUDENT DEMOGRAPHICS

Ethnicity
- Asian: 2.2%
- Black or African American: 83.8%
- Hispanic/Latino: 4%
- Multiracial: 4.4%
- White: 5.6%

Gender
- F: 270 (54%)
- M: 230 (46%)

2015-2016 Average Graduation Rate: 96%

Michelle Magner, Assistant-Principal of Academics
COMPARISON OF OH REPORT CARD RATINGS

Letter Grade of Overall Value Added
- Columbus High: C
- Columbus City: F

Letter Grade of Students with Disabilities Value Added
- Columbus High: C
- Columbus City: F

Letter Grade of Lowest 20% Value Added
- Columbus High: A
- Columbus City: F

Letter Grade of Progress Component
- Columbus High: B
- Columbus City: F

Letter Grade of Grad Rate Component
- Columbus High: B
- Columbus City: F

Performance Index Percent
- Columbus High: 85%
- Columbus City: 70%

4 Year Grad Rate 2015
- Columbus High: 55%
- Columbus City: 40%

5 Year Grad Rate 2014
- Columbus High: 70%
- Columbus City: 55%

Attendance Rate 2015-2016
- Columbus High: 85%
- Columbus City: 70%

Free-Reduced, ELL, & IDEA Eligibility
- FREE/REDUCED LUNCH %: 100%
- ELL: 15%
- IDEA ELIGIBLE: 7%
Neighborhood Clean-up day

Our School CYSP students participate in the “Morse Road Special Improvement District” Neighborhood Clean-up day. Community outreach is one of our many values at Horizon Science Academy, and we take any opportunity to give back to our community.

Reach Out and Read

Our Reach Out and Read volunteers--these students went to nationwide children's hospital numerous times during the year to read to younger children who are patients at the hospital.

Barnes and Noble Fundraiser

Our student ambassadors did an amazing job gift wrapping at Barnes and Noble. They were so respectful and polite and they earned around $150!
VOLUNTEER ACTIVITIES AND COMMUNITY ENGAGEMENT

Science Night Program

Our School Science Night program, where students demonstrate STEM projects to the community. These students spend weeks perfecting their experiments to be judged by outside volunteers.
AWARDS OR RECOGNITIONS

State Science Fair Qualifiers

The Central District Science Fair occurred last March in downtown Columbus. Some of our Science teachers brought a team of students down to present their research experiments. We had three students qualify for the State Science Fair with the status of "Superior" presentation.

Martha C. was also acknowledged with the CSCC award for use of the Scientific

Iyanna Foster Travels Europe and South Africa, competing in International Arts Competition

Two of our students, Iyanna F. and Newton A. qualified to travel to South Africa and Senegal respectively to participate in the 14th International Festival of Language and Culture. They will be two of the five people from the Concept network to participate in this festival. Thanks to Mr. Ayhan for working with them and taking them to Chicago to be recorded for the competition.
CONSEF Science Fair
The annual Concept Schools Science & Engineering Fair and STEM expo took place April 8-9 in Cleveland, OH. Teachers from HSA brought students to demonstrate experiments in Mathematics and Science. We had 14 students who competed in the science project presentation, 3 in STEM presentations, and 3 in Math presentations. A big thanks to the numerous staff members who mentored these students and helped them participate in truly a great event!

Fairchild Competition Winners
HSA students are preparing to get involved in the Columbus Science Community. Ms. Doup’s Research and Design class will be preparing students for all of the various events, but all students are encouraged to participate. Categories include: Green Cuisine, Environmental Change, Ethnobotany, and Citizen Science.

Concept Art and Language Competition
The annual Concept Art and Language Competition took place back in March. Students can participate in one of five categories: Turkish Songs, Spanish Songs, Turkish Folk Dances, Spanish Folk Dances, and Turkish Poetry. HSA Columbus High made a great showing with a lot of winners.
ATHLETIC & ACADEMIC CLUBS OR ACTIVITIES

Music

Winter Band and Choir Concert--Mrs. Herman has worked diligently for our school for over 10 years, broadening our students musical horizons.

2015-16 Boy’s Basketball

The 2015-16 Basketball season is coming to a close, and our boys are gearing up for the Spring Tournaments. A big shoutout to our tournament team.

CYSP College Visit

This year our schools have implemented the CYSP to encourage our students to get involved and become future leaders in our communities. There are goals in 4 areas: personal development; voluntary public service; physical fitness; and expedition/exploration. They have the opportunity to earn a bronze, silver, or gold award at the end of the year. Activities include overnight trips, volunteering, tutoring, academic success workshops, and college visits. The students are working so hard to be a part of this great program!

CYSP Camping/Outdoor Trip

CYSP Camps are also organized to fulfill our CYSP goals.

On October 3-4 Ms. Doup and Mr. Jaihoon took 14 students to attend camping at Mohican State Park where they also went for canoeing.
COMMUNITY ENGAGEMENT EVENTS

Alumni Dinner

HSA values our students past and present, and we make a commitment to involve our alumni in our ever-growing school community. This year we invited all of our alumni back to campus to celebrate their accomplishments.

Model United Nations Conference

October 3rd, HSA attended a Model United Nations Conference at Otterbein University. Model UN is a program that encourages students to get involved with real, global issues, and collaboratively develop solutions.

Veteran’s Day Speaker

This year in honor of those who have served, and who currently serve our country, we invited a special Horizon alumnus to give a presentation about life in the U.S. Armed Forces. Sergeant Steve Shelby gave a presentation to each grade level throughout the day. He included information about all of the opportunities that the U.S. Armed Forces to offer such as, career training and character building. We are fortunate to have veterans who keep giving back after their tour of duty.
SPECIAL VIP OUTREACH

Home Visits

“Home Visits are an integral part of the educational system of Horizon Science Academy. Getting to better know students and their families can make parents powerful advocates in their children’s education. Home visits can give teachers the insight they need to help all students succeed.” Based on statement above and just to say Thank you to HSA parents on Sunday May 10th, 2015 we organized a Mother’s Day Pop-up visit to HSA parents. We went to 364 students’ parents. All our parents were pleased to see us and they all send their appreciation to All HSA Staff members.

Parent Outreach

During the school year our school facilitates many programs after school and event dinners. These events are open to families of all of our students and for special events, such as our Hawk Honors Alumni Organization, National Honor Society and grade-level the school provides dinner from a local restaurant.

FOX Good Day Marketplace

FOX Good Day Marketplace made its annual visit to HSA Columbus High to see what we’re up to in the STEM field. Students prepared presentations and experiments including robots, exploding eggs, fake blood, and colorful fire based on chemical composition (featured above). Additionally, we had performances from the choir and the band to add to the fanfare of the occasion.
LIST OF TOP COLLEGE ACCEPTANCES

Suzy Bangudi - Northwestern University  
Helen Prescod - West Point Military Academy  
Felicia Kanu - Emory University  
Kezia Ofosu - Atta - Swarthmore College  
Avelardo Tran - OSU Main  
Zenobia Harris - OSU Main  
Loveli Quarshie - OSU Main  
Eugene Oteng - OSU Main  
Erind Koci - OSU Main  
Mercy Alimo - OSU Main  
Husna Hassan - OSU Main  
Dharar Abdussabur - OSU Main  
Kelvin Oppong - OSU Main

60% College acceptance (4-year schools)  
28% Received Dual-credit  
14% Enrolled in Advanced Placement  
18% Enrolled in Project Lead the Way

Leadership Days

HSA offers several extracurricular programs that operate like clubs during each month. These programs all look towards creating student leaders in order to succeed. The Leadership Groups are a great way to create well-rounded students. The groups are facilitated by a teacher and involve students organizing events and volunteering in the community and school.
School has positive atmosphere for learning.
School cares about students.
School has high expectations with regard to student achievement.
School has positive atmosphere for learning.
School offers strong academic program.
School is supportive of parents and handles my concerns in a timely manner.
School has resources necessary to work effectively.
School prepares students to do well on the state, district, and classroom assessments.
My child is given challenging work at school.
My child looks forward to coming to school.
School enforces the rules.
School clearly communicates the rules and expectations.
School promotes a drug-free environment.
School makes sure students are safe while on school grounds.
School building is neat, clean, and well-maintained.
School disciplines students fairly.
School helps students improve their behavior when they break rules.
School employs staff who act in a professional manner.
School teaches students to value, respect, and tolerate differences in others.
School allows me to express my opinion or speak up at school meetings.
School sends me information about the school on regular basis.
Administration is easily accessible.
Administration communicates school's mission/vision/goals effectively.
Teachers are easily reachable and get back to me when needed.
School provides parents with opportunities that I would not otherwise have in other schools.
I am pleased with the socio-emotional growth of my child.
I am pleased with the academic progress of my child.
I am always included in decisions by the school that affect my child's performance.
I am very pleased with my child's school.
FISCAL RESPONSIBILITY

Horizon Science Academy Columbus High School
Statement of Revenues, Expenses and Change in Net Position For the Fiscal Year Ended June 30, 2016

OPERATING REVENUES:

Foundation payments $3,677,327
Classroom fees 3,408
Extracurricular activities 20,162
Other revenue 44,061
   Total operating revenues 3,744,958

OPERATING EXPENSES:

Salaries 2,058,612
Fringe benefits 451,047
Purchased services 1,171,240
Materials and supplies 486,480
Depreciation 205,533
Miscellaneous 169,597
   Total operating expenses 4,542,508
Operating loss (797,550)

NON-OPERATING REVENUES:

Restricted grants in aid - federal 802,553
State and other grants 103,658
Interest income 301
Interest expense (80,469)
   Total non-operating revenues 826,043

Change in net position 28,493
Net position /(deficit), beginning of year (restated) (3,598,084)

Net position /(deficit), end of year ($3,569,591)
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.

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

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.

**Distinguished School Award**

Horizon Science Academy Cleveland High School received the federal “Distinguished School Award” by the National Association of State Title 1 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.

**Schools of Promise**

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**

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.

**Robots of 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.”