Ohio Revised Code (ORD) 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 sponsor for Horizon Science Academy – Columbus High School during the 2019-2020 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.

**QUICK FACTS/HIGHLIGHTS**

- **Public charter school opened in 1999**
- **Average class size of 27 students**
- **Student-teacher ratio is 16:1**
- **Data-driven instruction based on a variety of assignments help analyze student growth**
- **Serving over 500 students in grades 9-12 in Columbus, OH**
- **Promotes a positive school environment through PBIS behavior system**
- **All classroom teachers and professional support staff are highly qualified/certified in Ohio**
- **STEM school accredited through Cognia**
- **Career pathways in Information Technology, Health Science, and Engineering**
Dear parents, guardians, and all stakeholders,

I am happy to announce that the school has transformed to become a STEM accredited school through Cognia. We now have a very successful and unique school model that combines STEM and Career Technical Education (CTE) programs. We started seeing many students graduating with not only their diplomas, but also with several certificates that can financially support them and their education right after high school.

The Class of 2020 graduated with 516 college credits of which 208 are through College Credit Plus (CCP) and 298 are through CTE. Students also earned 198 industry credentials totaling 524 points last year. Just to make a comparison, 33% of our seniors earned a 12-point industry credential last year whereas this number was around 4% overall in Ohio. It is promising and commendable to see that the number of industry credentials our students earn more than tripled compared to the year before. The number of college credits our students earn is increasing every year thanks to a partnership with Columbus State Community College (CSCC), Career Pathways we have established, and Senior-only industry certification programs such as Microsoft Office Specialist, Pharmacy Technician Certificates, FANUC/PLC certificates offered at our school. In addition to all the above, four of our seniors are on the path to graduate with an Associate’s Degree with over sixty (60) college credits at the end of this school year.

It is a privilege to work with a team of educators who are committed to providing the best education to the future scientists, doctors, and engineers. I would like to thank all stakeholders: parents, guardians, students, staff members, board members, ESCLEW (charter sponsor), and Concept Schools for their support to our school.

Sincerely,
Ugur Zengince, M.Ed.
### SCHOOL DEMOGRAPHICS

#### ETHNICITY
- African American 86.7%
- White 2.5%
- Hispanic/Latino 5.8%
- Asian 2%
- Multiracial 2.2%
- American Indian or Alaskan Native 0.2%

#### GENDER
- Male 52.5%
- Female 47.5%

#### AVERAGE DAILY ATTENDANCE RATE
- 95.9%

### ADMINISTRATION

#### BOARD OF DIRECTORS
- Natenon Tongue
- Reyhan Safak
- Michael Pratt
- Ernie Kirk
- Nancy Calvary

#### SCHOOL LEADERSHIP TEAM
- Superintendent
  - Murat Efe
- Principal
  - Ugur Zengince
- AP of School Culture
  - Scott Hawley
- AP of Operation
  - Celal Sarikamis
- AP of Academics
  - Colin Poulson
- AP of School Culture
  - Robert Tate
- AP of Academics
  - Fatma Aykan
- RTT Coordinator
  - Melissa Herman
- Athletic Director
  - Thomas Edwards
Horizon Science Academy Columbus High  
Statement of Activities and Change in Net Position  
for the Fiscal Year Ended June 30, 2020

<table>
<thead>
<tr>
<th><strong>REVENUE</strong></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>State Foundation</td>
<td>$4,229,148.00</td>
<td>62.5%</td>
</tr>
<tr>
<td>State &amp; Federal Grants</td>
<td>2,234,398.00</td>
<td>33%</td>
</tr>
<tr>
<td>Services</td>
<td>7,434.00</td>
<td>0.1%</td>
</tr>
<tr>
<td>Material Fees</td>
<td>15,390.00</td>
<td>0.2%</td>
</tr>
<tr>
<td>Other Income</td>
<td>282,544.00</td>
<td>4.2%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$6,768,913.00</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>EXPENSES</strong></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel</td>
<td>$3,214,921.00</td>
<td>53.1%</td>
</tr>
<tr>
<td>Purchased services</td>
<td>1,617,131.00</td>
<td>26.7%</td>
</tr>
<tr>
<td>Supplies</td>
<td>261,864.00</td>
<td>4.3%</td>
</tr>
<tr>
<td>Capital Outlay</td>
<td>600,367.00</td>
<td>9.9%</td>
</tr>
<tr>
<td>Other</td>
<td>365,955.00</td>
<td>6%</td>
</tr>
<tr>
<td><strong>Total Expense</strong></td>
<td><strong>$6,060,238.00</strong></td>
<td></td>
</tr>
</tbody>
</table>

Cash on hand  
beginning of year  | $503,266.00 |
Cash on hand  
end of year  | $1,445,817.00 |

Financial Reports are pending a final audit.  
Final audit reports will be made available upon request.
ACADEMIC PERFORMANCE

Chronic Absenteeism Rate is one of the achievement indicators on The ODE Report Cards. The table indicates the CAR for 18-19 and 19-20 school years.

**CHRONIC ABSENTEEISM RATES**

<table>
<thead>
<tr>
<th>School</th>
<th>2018-2019 Rate</th>
<th>2019-2020 Rate</th>
<th>Actual Change</th>
<th>Chronic Absenteeism Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA Columbus High</td>
<td>12.3</td>
<td>8.8</td>
<td>3.5</td>
<td>MET</td>
</tr>
</tbody>
</table>

Horizon Science Academy Columbus High’s 4 year and 5 year graduation rates are “A” based on the 2019-20 school year report card.
ACADEMIC PERFORMANCE

HSA Columbus High Graduation Rate Trend

4 Year Graduation Rate

<table>
<thead>
<tr>
<th>Year</th>
<th>HSA Columbus High</th>
<th>Columbus City School District</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>95%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>83.5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>88.8%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>93%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>94.9%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5 Year Graduation Rate

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA Columbus High</td>
<td>A</td>
</tr>
<tr>
<td>Columbus City School District</td>
<td>C</td>
</tr>
<tr>
<td>State</td>
<td>C</td>
</tr>
</tbody>
</table>
ACADEMIC PERFORMANCE

Prepared for Success

Whether training in a technical field or preparing for work or college, the Prepared for Success component looks at how well prepared Ohio’s students are for all future opportunities.

HSA Columbus High received one of the best scores among all community schools in Ohio based on 2018 and 2019 graduating classes data.

<table>
<thead>
<tr>
<th>Building Name</th>
<th>Prepared for Success Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Columbus Preparatory Academy</td>
<td>61.2</td>
</tr>
<tr>
<td>Toledo School for the Arts</td>
<td>45.4</td>
</tr>
<tr>
<td>Horizon Science Academy Columbus High</td>
<td>43.2</td>
</tr>
<tr>
<td>Dayton Earlt College Academy, Inc.</td>
<td>42.9</td>
</tr>
<tr>
<td>Bridges Community Academy</td>
<td>42.4</td>
</tr>
<tr>
<td>Patriot Preparatory Academy</td>
<td>40</td>
</tr>
</tbody>
</table>
ACTIVITIES & RECOGNITIONS

CTE Students Participate in Internship Program

HSA had ten students who were lucky enough to have the opportunity to participate in an internship program with a walk-in-urgent care clinic. Students who participated were members of the CTE Health Science program. Students were able to learn a lot of valuable information about the day-to-day tasks of those who work in an urgent care setting alongside highly qualified medical professionals.

STEM Field Visitor

Dr. Yusra Fatima Shao (MD), Internal Medicine Resident from Cleveland Clinic, visited the CTE Health Science and Medical Terminology students as a guest speaker to let the students know about the latest research in the field of oncology.

CYSP Trip to Ohio Renaissance Fair

CYSP students and mentors took a trip to the Ohio Renaissance Fair in Waynesville, Ohio. Students were able to interact with the actors who were dressed in traditional clothing from the 15th through 17th centuries. There were many performance acts that included comedy, magic, and Renaissance sports such as the highly entertaining joust, a sport in which two opponents on horseback fight with lances. 71 CYSP students, 11 mentors enjoyed this event that included a bit of history with a touch of whimsy and fantasy.

Ghana Chief Visits HSA

Nii Okwei Kinka Dowuona VI, the King (Chief) of the Ga people of Osu in the Greater Accra Region of Ghana visited Horizon Science Academy High School to tour the school and meet with students and staff as part of a visit to the city of Columbus.

The Chief visited Columbus, Ohio to attend a Columbus-Accra sister cities partnership meeting and enstoolment ceremony. When the Chief came to the school, students gave a tour and discussed some of the achievements of the students and staff. Horizon Science Academy has a close relationship with the Ghana Council of Columbus, which helped facilitate the visit.

Chief Nii remarked that he was impressed with the programs at Horizon and that he hopes to model schools in Ghana after Horizon.

HSA Student Wins Concept History Hero

Columbus High School Sophomore Ayah M. was selected as the High School Division of the Concept wide History Hero competition. Ayah was chosen from nominees from all other Concept schools for creating an awesome project for Mrs. Forsbach’s U.S. History class. The assignment required students to re-imagine a Progressive Era president as a Super Hero and create an enemy for him to defeat and a sidekick who helped him. Ayah’s project was not only very accurate in terms of content, but was extraordinarily drawn. Ayah was awarded a certificate and a gift card as a prize.
Pharm Tech Students Visit COSI

Students in the Pharmacy Technician certification program of our school attended COSI’s Generation Rx. Lab, which is being run by Ohio State University’s College of Pharmacy and funded by Cardinal Health.

With the guidance and supervision of a post-doctoral researcher Dr. Cynthia, they did a few experiments to test the effects of various common household items on bacteria. They also tested how herbs (Mint & Thyme) can be used as antibiotics.

Field Trip to National Museum of the USAF

During the week of 10/28/19, Freshmen, Sophomores, and Juniors at HSA had the opportunity to take a field trip to Dayton, Ohio to see the National Museum of the United States Air Force. Students and staff made the short trip down to the Dayton area to see exhibits with aviation technology from the advent of air travel up to modern day technologies. One exhibit that students particularly enjoyed was a collection of Air Force One planes from various former Presidents of the United States. It was a great learning experience and a lot of fun for everyone!

CYSP Trip to Nelsonville

44 CYSP students and 12 mentors visited Nelsonville-Hocking Valley Scenic Railways. They rode on a historical train and stopped at an old village where they could see how pioneers lived. They watched a man who cooked popcorn on the fire in a giant pot. The view of the fall trees from the train was beautiful. Some mentors came along with their families. It was another fun Saturday for the CYSP team.

Homecoming

HSA students got all dressed up and danced the night away at the annual Homecoming Dance. The gym was decorated beautifully to match the gorgeous dresses and dapper outfits of the ladies and gentlemen in attendance.
HSA Students Excel at TechCorps

More than 200 high school students participated in TechCorps annual Mobile App Development Hackathon at Capital University on 11/9/19. Three of our students got the chance to participate in this event and two of them won prizes (recognition certificates, cash prizes, and other gifts) for building the “winning app”. Way to go, Hawks!

Golden Tiercelet Robotics Team Excels

The all-female Golden Tiercelet robotics team had their second game over the weekend of 1/25-1/26/20 at Walnut Hills High School in Cincinnati, Ohio. The team qualified for the Ohio State championship tournament. The team also received the following awards at the Walnut Hills game:

- Team Spirit Award
- Inspire Award Finalist

Virtual Graduation

HSA Seniors experienced a virtual ceremony followed by a Diploma Parade in front of the school building. It was a fun atmosphere as staff cheered for graduates as they drove through the parking lot (some with decorated cars) and had their pictures taken by former HSA Assistant Principal Ms. Peoples! It was a fun way to end a unique Senior year!

HSA Junior Accepted Into Leadership Enterprise for a Diverse America (LEDA) Program

Congratulations to Kwame O. for being accepted into the LEDA Scholars Program! Kwame will be taking courses at Princeton University this summer through this program.

The sports programs here at Horizon Science Academy High School give our students extra-curricular activities in which to learn about teamwork and sportsmanship. Our school provides the following sports: girls volleyball, boys soccer, girls a boys basketball, and girls and boys track. Our sports programs are a part of the Ohio High School Athletic Association (OHSAA) and we follow all the rules and bylaws set forth by that governing body. Sports provides an outlet for students to learn about accountability and leadership, which will help them during college and in their careers.
ACTIVITIES & RECOGNITIONS

HSA Earns Cognia STEM Certification

On February 5th, 2020, Cognia awarded Horizon Science Academy Columbus High School a Cognia STEM (Science, Technology, Engineering and Mathematics) Certification. This achievement is a mark of STEM distinction and excellence only offered to highly effective institutions that prioritize STEM education as a path to success.

Cognia STEM Certification is the first internationally recognized mark of quality for STEM schools and programs, signaling the growing emphasis placed on STEM education by educators, politicians and business leaders around the world. In earning this certification, Horizon Science Academy Columbus High School has demonstrated its commitment to preparing its students for their educational and career opportunities of the future by ensuring its students will have the skills and knowledge they need to be successful in their postsecondary pursuits and as workforce contributors in the 21st century economy.

In order to earn STEM Certification, Horizon Science Academy Columbus High School had to demonstrate adherence to the Cognia STEM Standard as reflected by the school’s performance across 11 rigorous STEM Indicators. The certification process provides a rigorous evaluation and continuous improvement process, supported by research-based tools and resources. Achieving high scores across the indicators certify that students have been equipped and trained to be innovative, creative and systematic problem-solvers across disciplines.

“We are proud to be a Cognia STEM Certified School. This certification exhibits Horizon Science Academy Columbus High School's commitment to addressing workforce needs by preparing our students with the relevant skills and experiences to succeed while demonstrating to the private-sector that we are committed to driving higher levels of student achievement for their STEM pipeline,” said Mr. Ugur Zengince, Principal. “STEM certification will continue to uphold our school to high standards while providing a clear roadmap for us to continuously improve our STEM disciplines and program.”

Cognia’s STEM Certification Reviewers examined Horizon Science Academy Columbus High School's evidence of quality STEM education that the school provided to the review team beforehand, and conducted classroom observations focused on identifying student engagement and collaboration in the learning process using the Effective Learning Environment Observation ToolTM (eleotTM). Reviewers also interviewed key stakeholders such as school administrators, STEM faculty and staff, parents, students, and external partners in order to verify the school's commitment to connecting students' STEM experiences in the classroom to the local community and the world at large.
ACTIVITIES & RECOGNITIONS

NHS Canned Food Drive

Over two weeks at the beginning of December, Horizon’s National Honor Society sponsored a canned food drive competition among homeroom classes. The competition was stiff and there were over 600 items collected.

HSA Gives Back to Community During Trying Times

As the state, country, and world deal with the COVID-19 pandemic, people everywhere are finding ways to help each other, including Horizon Science Academy. Using the school’s 3D printer, the Engineering Department created 250 masks that were donated to the Salvation Army. These masks are being used to help workers as they assist in serving food to the homeless and helping assist victims of human trafficking. The local news show, Daytime Columbus, did a story on these efforts. Thank you, Engineering Department!

HOSA Blood Drive

On Friday, 2/14/20, HSA’s HOSA Chapter sponsored an American Red Cross Blood Drive. The event was a great success with many students and staff members donating. HOSA students ran the entire event with the guidance of the Red Cross staff and did an awesome job!

App Developer Students Get Public Recognition

Two HSA students who won the App Hackathon in October received recognitions from the Ohio Senate and House of Representatives. They received certificates signed by the president of the Ohio Senate and the Speaker of the House. This is a huge honor for Paula and Yahya.
Since 1999, Concept Schools has been a leading educational advocate for the national charter public school movement and is known for sharing its resources with traditional schools in order to advance the educational experiences for all students.

Concept Schools is a nonprofit charter management organization that provides a high-quality, STEM-focused, and college-preparatory education through a network of charter schools while offering exceptional programs, comprehensive services, and opportunities to partner in education.

Class of 2020 earned more than $39.1 million in academic scholarships with 96% college acceptance rate.

STUDENT SNAPSHOT

- African-American 57%
- White 14%
- Hispanic/Latino 21%
- Multiracial 6%
- Asian 2%

Concept Schools provides excellent learning opportunities for historically underserved communities where nearly 85% of all families qualify as low-income.
By providing various layers of academic, financial, and operational support, Concept Schools is a comprehensive service provider.

**Start-Up Services**
- Curriculum and School Design
- Assessment of Learning
- School Information System
- Professional Development
- College Guidance Counseling
- Networkwide Academic Events
- Leadership & Supervision
- School Board Relations
- Public Relations

**Community Outreach**
- Charter School Advocacy
- Social Media Management
- Financial Management
- Grant Management
- Marketing
- Human Resources & Payroll and Benefits
- Legal Services
- Technology Support
- Facility Planning and Management

Through its STEM-focused and college-preparatory model, Concept Schools supports teaching and learning to and through college.

The Concept Schools Science and Engineering Fair provides a venue for students to share and model their STEM research and experiences.

MathCON is an online mathematics competition that provides a platform for the world’s top math students to compete on a global scale.

SEVENSKY manages the branding, marketing, and advertising efforts of all Concept network schools, programs, and events. Seven Sky is expanding to support other educational organizations achieve their audio and visual dreams.

CYSP is an enrichment program available to all students that empowers students and enhances their self-confidence and social impact on their communities.

Future Institute supports high school graduates as they transition into their college or career pathways by providing mentorship programs, college workshops, internship opportunities, and scholarships.

Leadership tomorrow depends on how we educate our students today, especially in science, technology, engineering and math.

- Barack Obama