

CYBER HIGH

**Presentation
To the Parents of the
Central City Cyberschool of Milwaukee**

March 21, 2019

Strategic Planning 2016

Overwhelmingly, the top recommendations were:

- ◆ ***From Parents*** – Create a C3 High School & more Mentoring Opportunities
- ◆ ***From Students*** – Create a C3 High School & a Football Program

P-TECH: How high schoolers are defining their future

- ◆ https://www.youtube.com/watch?time_continue=237&v=0QVE19b0ek8

WHY CYBER HIGH?

Whether you are interested in coding, website or app design, robotics, game design, AI (artificial intelligence), or computer programming – from medicine to music, from fashion to business, CYBER HIGH will teach you how to use your technology skills to bring your ideas to life.



CYBER HIGH Class of 2023

- ◆ Beginning in August 2019, Central City Cyberschool will expand to include a high school, CYBER HIGH, by enrolling the first freshman class of 50 students.
- ◆ CYBER HIGH is an innovative high school and early college model that enables students to earn both a high school diploma and a college associate degree during grades 9-14, at no cost to parents.

FOCUS ON COLLEGE DEGREES

This is not 4 years of high school followed by 2 years of college. Rather it is an integrated opportunity to experience exposure to industry and college early, to get a peek at those opportunities.

- ◆ CYBER HIGH aims to provide every student with a pathway to an industry-recognized associate degree.
- ◆ College coursework is thoughtfully integrated throughout grades 9-14 programming, and it is free to students and families.

FOCUS ON CAREERS

The workplace is part of the educational opportunity from day one.

- ◆ Mentoring, workplace visits, job shadowing, and internships are integrated into each student's preparation for their identified career.
- ◆ Workplace skills are embedded in the curriculum.
- ◆ Engaged employer partners commit to ensuring that CYBER HIGH graduates are experienced enough in their chosen field to be considered "first in line" for jobs.
- ◆ The length of enrollment is tailored to the learning needs and educational goals of each student.

CYBER HIGH will continue some of the programs started in K-8:

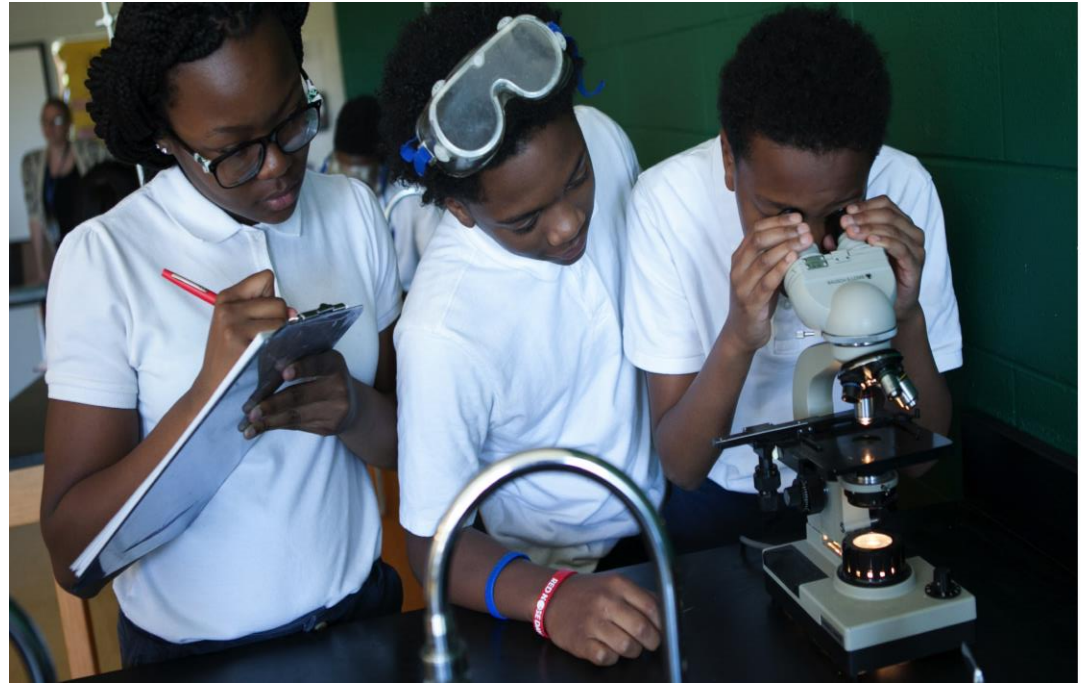
- ◆ Competitive sports teams including but not limited to basketball (possible additions may include volleyball, soccer, track, baseball)
- ◆ After-school programming with academic support as well as a wide range of recreation and enrichment activities



CYBER HIGH will continue some of the programs started in K-8

(continued):

- ◆ Character Education to build grit, perseverance, resilience, & curiosity
- ◆ Class DOJO to effectively communicate with parents



PROJECT-BASED - - Preparing students for careers in the high-demand tech industry, through real-world, authentic learning experiences, in a project-based learning environment.

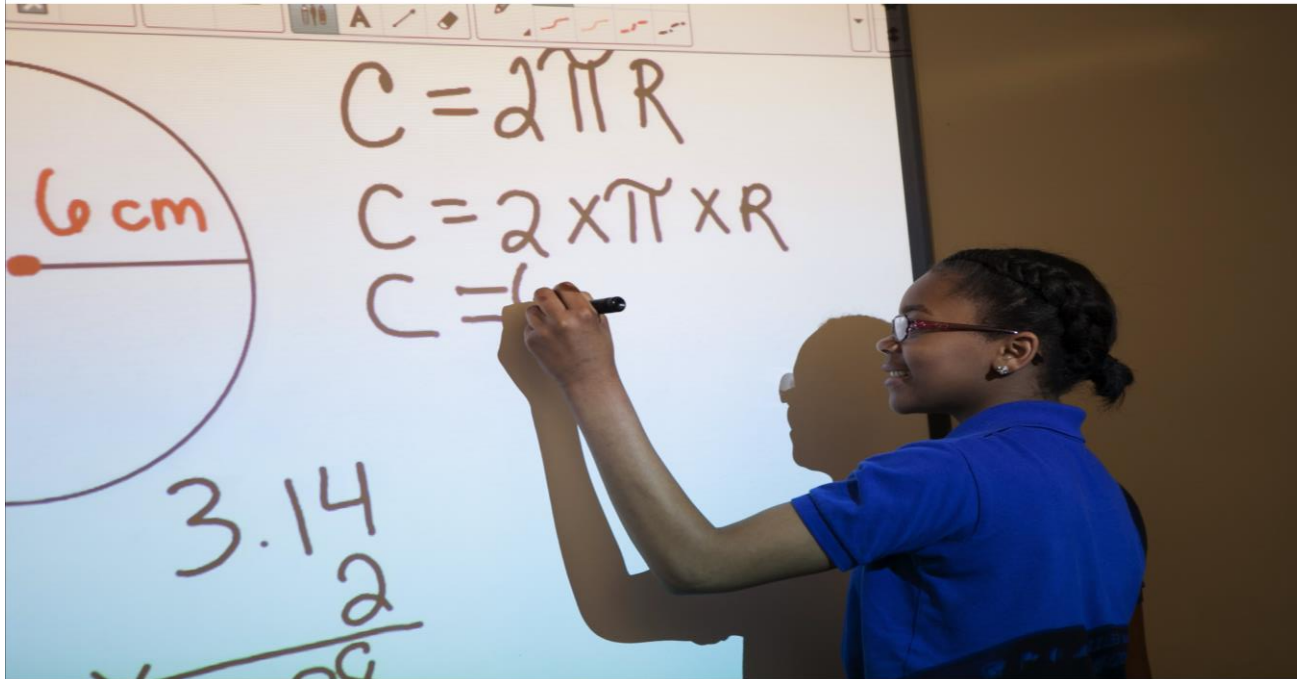
CYBER HIGH students will:

- ◆ Master core academic content by working for an extended period of time to investigate and respond to authentic, engaging, real-world problems and challenges
- ◆ Learn by doing – where students are active participants
- ◆ Learn to think critically and solve complex problems
- ◆ Work collaboratively
- ◆ Communicate effectively
- ◆ Develop growth mindsets

Examples of Project-Based Learning

- ◆ In Chemistry - solve a missing persons case using forensic evidence
- ◆ In Social Studies – examine how political speeches and propaganda were used to shift societal perceptions on major issues, such as civil rights and woman’s rights
- ◆ In Physics – design a rover to land successfully on the surface of Mars
- ◆ In Chemistry - investigate what is in our drinking water, how it got there and what we can do about it

In math class, use computer science to learn how video games rely on math concepts like the coordinate plane, algebra functions, and logic.



Project-based Examples at High Tech High

- ◆ Visit by Gates and Oprah

<https://www.youtube.com/watch?v=TF06lpwC-ho>

- ◆ High Tech High overview at Whitehouse.gov

<https://www.youtube.com/watch?v=rO1TBud7MBk>

- ◆ The Wicked Soap Company

<https://www.youtube.com/watch?v=Lte27cBBcwM>

CYBER HIGH GRADUATES

Whether designing and testing future products or analyzing defects in software and driving quality improvements for global customers, through Project-based Learning CYBER HIGH graduates will be helping our world work better.

Even students who do not end up in IT careers will have experiences that prepare them for work in a corporate environment.



P-TECH @ Year 4: The First Grads

◆ <https://www.youtube.com/watch?v=036dTMK-BE0>

CYBER HIGH Graduates

will be prepared to begin careers in a range of exciting, competitive jobs in the IT industry

- ◆ Within 6 years CYBER HIGH students will graduate with a no-cost, industry-recognized associate Degree

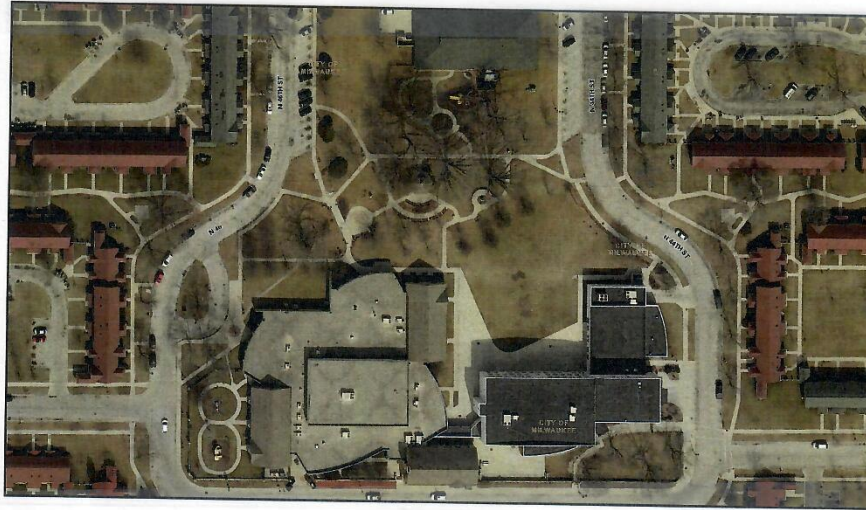
AND

- ◆ With the skills and knowledge they need to continue their studies at a 4-year college

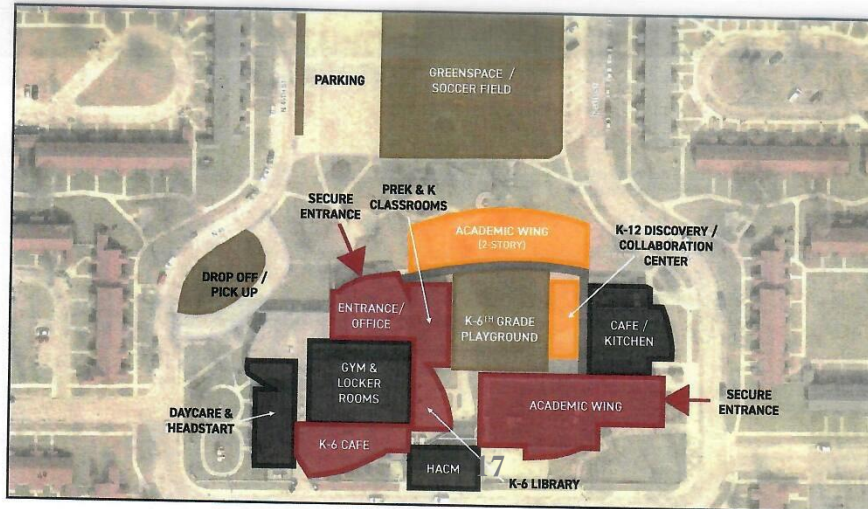
OR

With their in-demand skills, they will step easily into a high-growth tech industry job

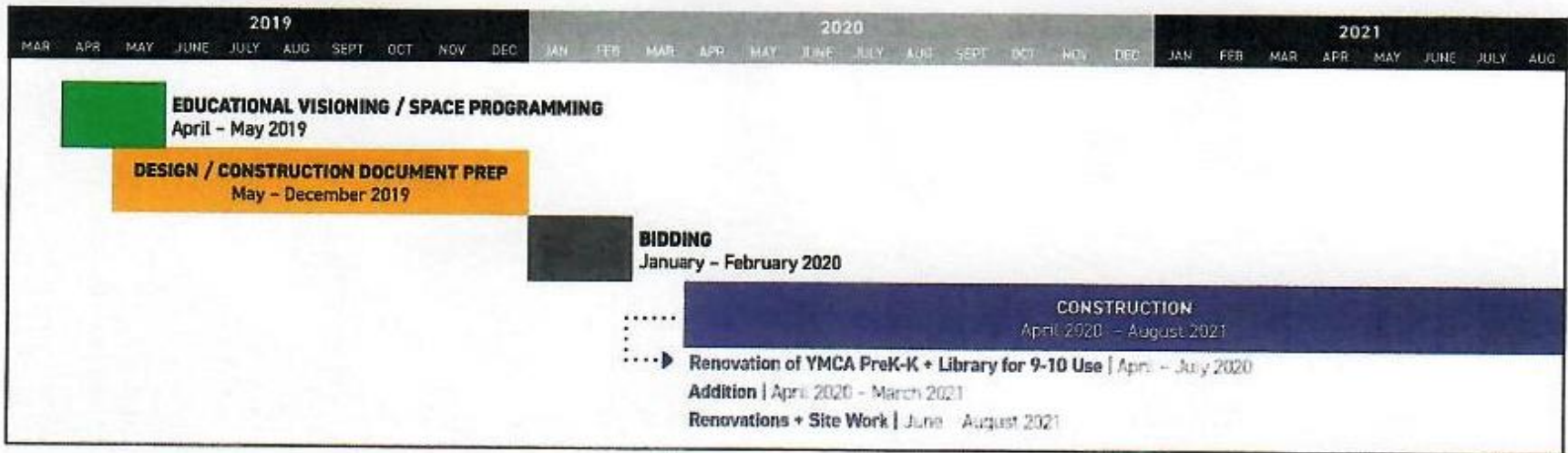
Actual 2019



Possible 2021



PRELIMINARY TIMELINE



We are still planning . . .

Today we do not have all of the answers to all of your questions.

However, you know us!

We intend to unlock the inherent genius in every CYBER HIGH student, and connect them to each other, to their future aspirations, and to the world.

CYBER HIGH PA

- ◆ Engaging parents – the child's first teacher -- is key to our school's success
- ◆ We will hold regular meetings and group workshops to ask for your advice and to keep you informed.

**Volunteer to be part of the
CYBER HIGH Parent Advisory group**

CYBER HIGH students are:

- ◆ Interested in computers, science and math
- ◆ Eager to learn the skills needed to succeed in the highly competitive technology industries of tomorrow
- ◆ Curious, dedicated, hands-on learners ready to take on the challenges of high school, college, work, and life
- ◆ Willing to intern at major companies in Milwaukee

Who Can Attend?

- ◆ CYBER HIGH is a Free, Public Charter School open to City of Milwaukee residents.
- ◆ Applicants must successfully complete 8th grade and submit a completed CYBER HIGH Enrollment Application Packet.
- ◆ Applications are available for download at:
<https://cyberschool-milwaukee.org/enroll>

ARE YOU READY TO ENROLL?

In Their Own Words: IBM P-TECH Graduates

💧 <https://www.youtube.com/watch?v=BZn05NZko48>