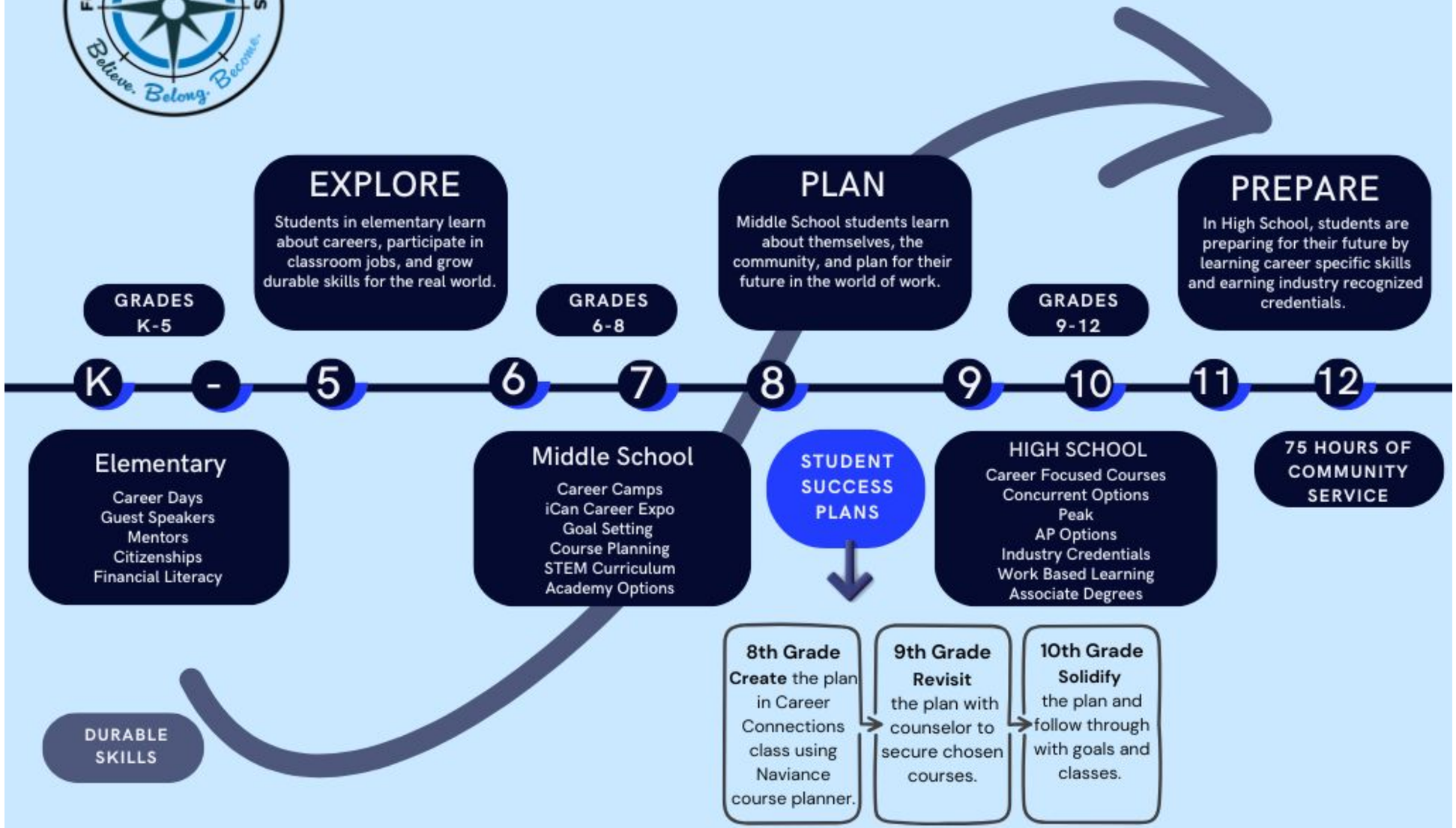
Computer Science Proposal

March 31, 2025

Career Development Experience
&
STUDENT SUCCESS PLANNING



Computer Science Academy

Chaffin Middle School

Grades 6-8

6th Grade (2026-2027)

Students will take core classes being taught through a computer science lens. They will also take 2 additional computer science electives.

7th Grade (2027-2028)

Students will take core classes being taught through a computer science lens. They will also take 2 additional computer science electives.

8th Grade @ Peak (2028-2029)

Embedded in the academy model program will be a high school level course in computer science where each student will receive a high school credit. Students will also plan for high school and create their student success plans.

CSA graduates will then be able to complete high school cybersecurity and concurrent credit networking programs, leading to an associates degree.

Information Technology and Security

Grades 9-12

Cybersecurity

Students will complete a fully immersive cybersecurity experience. We are currently researching concurrent credit options for this new pathway.

Work-based Learning

Students will work with regional IT professionals on real-world problems of practice.

Certifications

Students will earn stackable industry recognized certifications in the cybersecurity and networking fields. Examples include CompTIA A+ and CompTIA Security+ certifications.

Staffing and space considerations

Grades 6-12

Staffing

The CSA will require two teachers per grade, totaling 6 teachers by 2028-2029. The half day cybersecurity program at Peak will require one teacher to provide a morning and an afternoon section in year 1.

Space

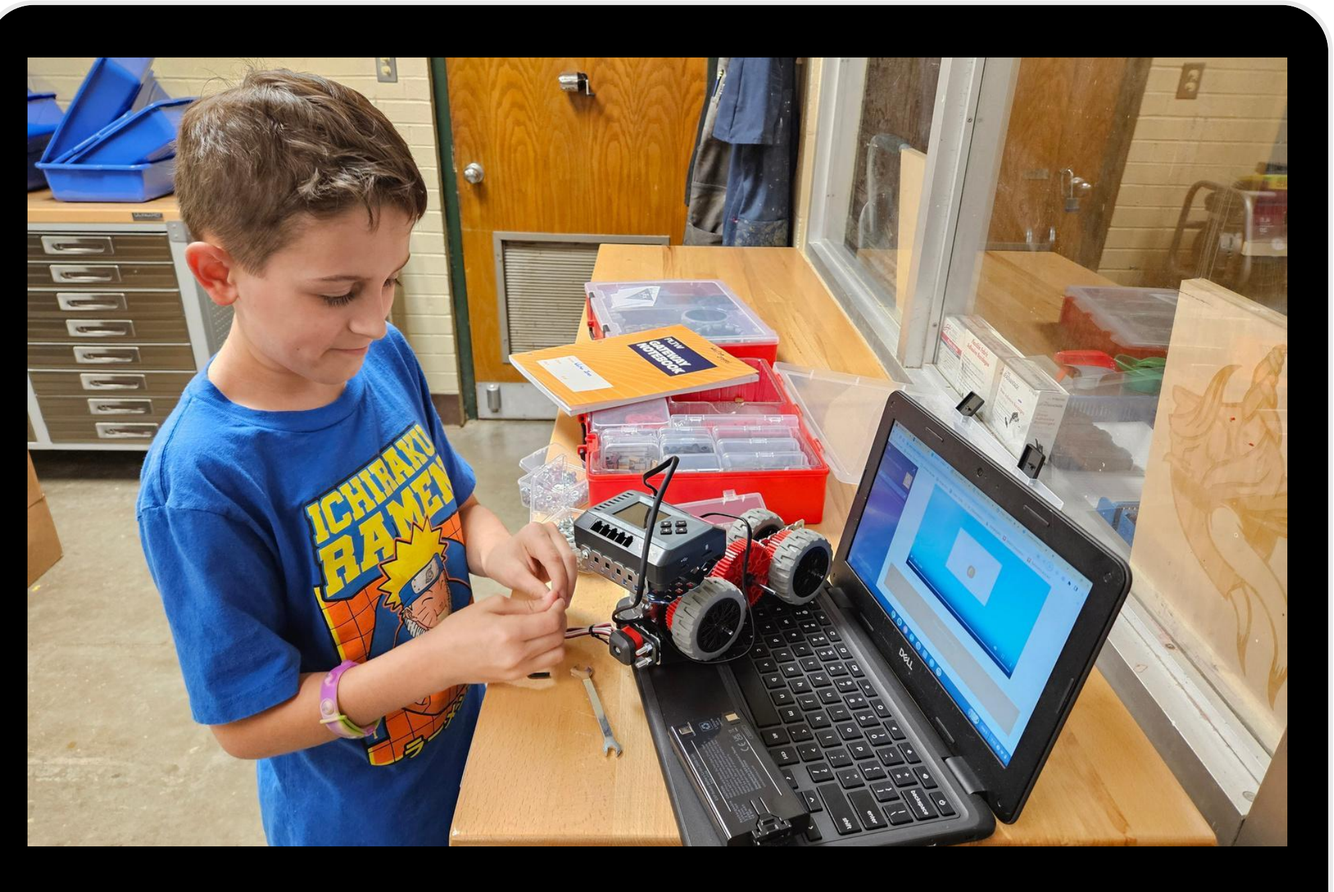
We will use exisiting classrooms at Chaffin, but we will need to finish out 2 classrooms on the 1100 wing at Peak for the 8th grade CSA students. We will repurpose a classroom on the 1400 wing for high school Cybersecurity.

Equipment

We want our students to have access to state of the art cybersecurity and networking equipment

Projected costs by year

Grades 6-12



2026-27

Equipment/ furniture CSA 6th grade: $87,400
Equipment/ furniture Peak Cybersecurity: $72,700
2 instructors CSA (6th): $140,000
1 instructor Peak Cybersecurity: $70,000

2027-28

Equipment/ furniture CSA 7th grade: $87,400
2 instructors CSA (7th): 6th grade teachers will cover 7th in the afternoon.

2028-29

Equipment/ furniture CSA 8th grade @Peak: $87,400
1 instructors CSA: $70,000
Renovation Peak CSA room: TBD