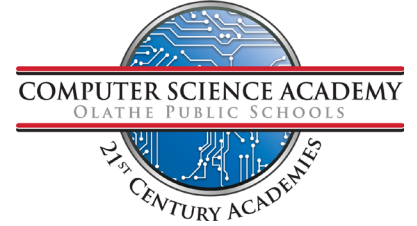




USD #233 Individual Plan of Study
 Electronic file located in Xello - "Course Planner"
 Located at Olathe South
computerscience.olatheschools.org
 X: @OlatheCompSci
 Apply at: 21stcentury.olatheschools.com

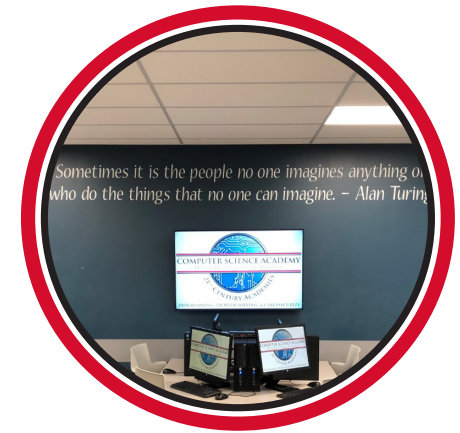
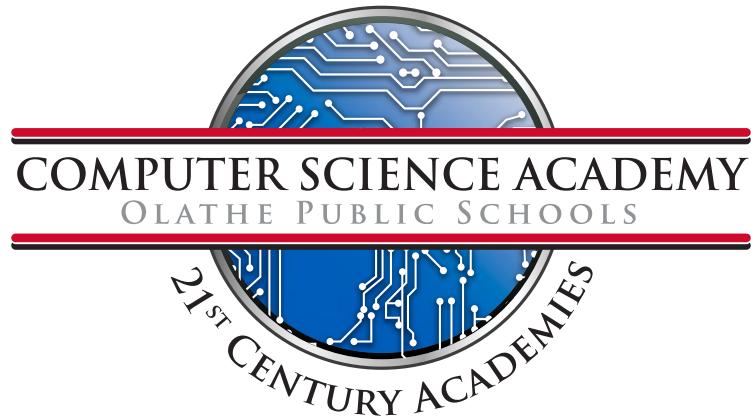
Computer Science Academy



Graduation Requirements	9th Grade	Credits	10th Grade	Credits	11th Grade	Credits	12th Grade	Credits	Y 13
English (x4 credits)	English 9 OR Honors English 9	1	English 10 OR Honors English 10	1	English 11 OR AP English Language	1	English 12 OR College Prep English OR AP English Literature	1	
Math (x3 credits)	Must take 1.0 math 9th gr year as recommended by facilitator & math teacher	1	Must take 1.0 math 10th gr year as recommended by facilitator & math teacher	1	Must take 1.0 math 11th gr year as recommended by facilitator & math teacher	1	Must take 1.0 math 12th gr year as recommended by facilitator & math teacher	1	
Science (x3 credits) (1 Life; 1 Physical; 1 Elective)	Biology OR Honors Biology	1	Chemistry OR Honors Chemistry OR as recommended by science teacher	1	Student choice	1	Student Choice: College-bound students should enroll in science all four years as recommended by facilitator & science teacher		
Social Studies (x3 credits) (1 World; 1 US; 0.5 Govt; 0.5 elective)	World History OR Honors World History	1	Student choice	.5	US History OR AP US History	1	US Govt OR AP US Govt	.5	
PE/Health (1 credit)	PE Concepts OR Cheer/Drill Team OR Strength & Conditioning AND Health	1	<i>Optional: P.E. Concepts AND/OR Health may be taken online through eAcademy if space is needed in student's schedule. This can be scheduled during the summer or as an 8th hour during the school year - grades 10-12 only. Other online classes are available at eacademy.olatheschools.com</i>						Y 14
Fine Arts (1 credit) (Visual or Performing)	Student choice - any year(s) 1+ (see individual focus below)								
World Lang/Appl Comm (1 credit)	Student choice - any year(s) 1+ (see individual focus below) College-bound students should enroll in 2 years of the same World Language.								
Life Skills: Consumer & Personal Finance (0.5 credit)	May take Consumer and Personal Finance during 10th 11th and 12th grade .5								
Practical & Consumer (1 credit)	Students fulfill Practical & Consumer graduation requirement through 21st Century Academy Courses								
Technology (0.5 credit)	Students fulfill Technology graduation requirement through 21st Century Academy Courses								
Individual Focus (6 credits) 21st Century Academy Coursework	Introduction to Computer Coding	1	AP Computer Science Principles	1	AP Computer Science A AND/OR Cybersecurity	1 1	Computer Science Senior Capstone	1	
0.5-1.5 Required for Academy Endorsement: Public Speaking (World Lang/Appl /Comm), Forensics, Novice Debate, Advanced Debate (Fine Arts), Other Facilitator Approved									
Total Credits: (24 total needed for graduation)	9th grade total:	7	10th grade total:	7	11th grade total:	7	12th grade total:	3+	

NOTE: Credits beyond requirements in any category will fall under individual focus.

Students may earn an endorsement on their transcript for completing all Academy requirements, including successful completion of coursework, outside-the-classroom learning opportunities, field experiences, and capstone projects. Refer to the Academy's Endorsement Requirements provided by facilitator or found on the web at www.21stcentury.olatheschools.com



Olathe South High School

Programming, Problem Solving, & Cybersecurity

Who We Are:

We apply the values of Honesty, Respect, Responsibility, Integrity, and Ethics in Everything to the pursuit of Computer Science skills, in preparation for higher education, and career paths in Computer Science. Students in this four year program will:

- Use visual, block-based, and text-based programming languages to create apps and develop websites.
- Apply computational thinking practices to create products and solve problems.
- Use professional tools to further develop programming expertise and explore the workings of the internet.
- Collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and web-based databases.
- Learn to use the Cybersecurity Lifecycle to detect, respond, recover, and protect computer networks.
- Develop, maintain, and support solutions to real-world problems for customers within and outside the Olathe School District.

What We Do:

- Develop computational thinking skills through activity, project, and problem-based learning.
- Collaborate to integrate technologies across multiple platforms, mobile devices, and networks.
- Work in a team environment to develop and cultivate interpersonal skills, presentation skills, and programming skills.
- Apply effective practices in problem solving, documentation, and software development to deliver software solutions to real-world problems.

ComputerScience@olatheschools.org • 913.780.7160 •  @OlatheCompSci

Explore careers in this field with the Occupational Outlook Handbook at <https://www.bls.gov/ooh/>