Electronic file located in Xello - "Course Planner"
Located at Olathe South
X: @OlatheCompSci
Apply at: olatheschools.org/careerpathways
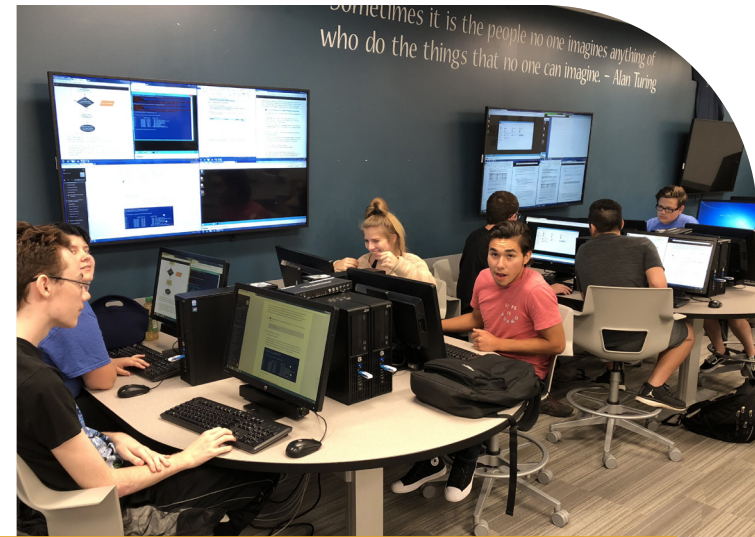
IPS INDIVIDUAL PLAN OF STUDY

Computer Science Four-Year 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 math 9th gr year as recommended by facilitator & math teacher Highly Recommend: Algebra I	1	Must take 1 math 10th gr year as recommended by facilitator & math teacher	1	Must take 1 math 11th gr year as recommended by facilitator & math teacher Highly Recommend: Algebra II or higher	1	Must take 1 math 12th gr year as recommended by facilitator & math teacher Highly Recommend: College Algebra or higher	1	
Science (x3 credits) (1 Life; 1 Physical; 1 Elective)	Biology OR Honors Biology	1	Chemistry OR Honors Chemistry 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	1	
Social Studies (x3 credits) (1 World; 1 US; 0.5 Govt; 0.5 elective)	World History **OR** Honors World History	1	Highly recommended: World Geography **OR** Honors World Geography	.5	US History **OR** AP US History	1	US Govt **OR** AP US Govt	.5	
Communications (0.5 credit)	All Academy **Capstone Courses** will fulfill the Communications Requirement								Y 14
Financial Literacy: (0.5 credit)	Financial Literacy								
Fine/Performing Arts (1 credit)	Student choice - any year(s) **1+**								
Health: (0.5 credit)	Health Education *Optional*: Health may be taken online through eAcademy if space is needed in student's schedule.								
Language Applications: (1.0 credit)	Using the PPG - Identify courses that fulfill this requirement								
Life Studies: (0.5 credit)	Using the PPG - Identify courses that fulfill this requirement								
Physical Education (0.5 credit)	PE Concepts **OR** Cheer/Dance Team **OR** Strength & Conditioning	.5	*Optional*: P.E. Concepts may be taken online through eAcademy if space is needed in student's schedule. This can be scheduled during the summer - grades 10-12 only. *Other online classes are available at eacademy.olatheschools.com*						
STEM (1.0 credit)	*Students fulfill STEM graduation requirement through Four-Year Academy Courses*								
Individual Focus (5.5 credits) Four-Year Academy Coursework	Web Design I Web Design II	.5 .5	AP Computer Science Principles	1	AP Computer Science A **AND/OR** Cybersecurty	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 Failitator 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 olatheschools.org/careerpathways								

Graduating Class of 2028 and Beyond

Computer Science
Four-Year Academy

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.

Olathe South High School | 913.780.7140 | Explore careers in this field with the Occupational Outlook Handbook at https://www.bls.gov/ooh/