

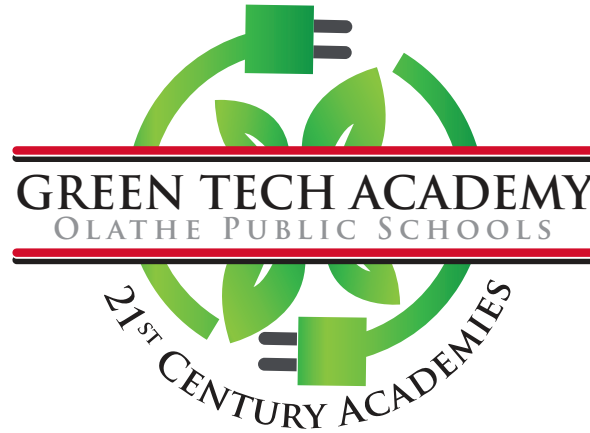


USD #233 Individual Plan of Study
 Electronic file located in Xello - "Course Planner"
 Located at Olathe West
 greentech@olatheschools.org
 X: @OlatheGreenTech
 Apply at: 21stcentury.olatheschools.com

Green Tech 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	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	1	Student Choice: College-bound students should enroll in math all four years as recommended by facilitator & math teacher	1		
Science (x3 credits) (1 Life; 1 Physical; 1 Elective)	Honors Biology	1	Chemistry OR Honors Chemistry	1	Required: AP Environmental Science either Junior or Senior year Physics OR AP Physics I Highly Recommended: AP Physics II AP OR College Chemistry AP OR College Biology	1		2		
Social Studies (x3 credits) (1 World; 1 US; 0.5 Govt; 0.5 elective)	World History OR Honors World History	1	Recommended: Business Economics	.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 - Health may be taken online through eAcademy if space is needed in student's schedule.									
Applied Language: (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/Drill Team OR Strength & Conditioning	.5	<i>Optional:</i> P.E. Concepts 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. <i>Other online classes are available at eacademy.olatheschools.com</i>							
STEM (1.0 credit)			Required: Engineering Drafting/CAD I	.5	Recommend: Engineering Drafting/CAD II (for endorsement with honors/high honors)				.5	
Individual Focus (5.5 credits) 21st Century Academy Coursework	Investigations in Green Tech	1	ES - Energy Power & Society SS - Sustainable Resource Management	1	ES - Energy Industry Fundamentals SS - Plant & Animal Science	1	Green Tech Senior Capstone	1		
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 West High School
Energy & Sustainability

Who We Are:

The Green Tech Academy is one of the only programs in the nation where students can study renewable energy and sustainability in-depth at the high school level. Our students are everything from the next generation of wind turbine technicians to environmental engineers and sustainable farmers. Students in this four-year program:

- Discover how the use of energy by society affects every part of our lives
- Engage our community about the environment
- Pursue technological innovations that combat climate change

What We Do:

- Travel to wind farms, solar arrays, and hydroelectric power plants to learn about energy.
- Learn about renewable energy with hands-on equipment.
- Use one of the most sustainable high school buildings in the nation to learn about environmental design.
- Build our own wind turbines and electric vehicles for STEM competitions.
- Grow our own food.
- Manage energy usage at Olathe West and track our key sustainability metrics.

GreenTech@olatheschools.org • 913.780.7180 •  @OlatheGreenTech

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