



**USD #233 Individual Plan of Study**  
 Electronic file located in Xello - "Course Planner"  
 Located at Olathe West

# Green Tech Academy

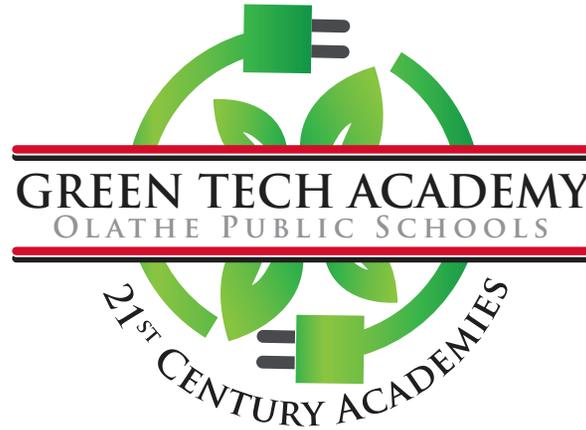


X: @OlatheGreenTech  
 Apply at: [21stcentury.olatheschools.com](http://21stcentury.olatheschools.com)

Graduation Requirements	9th Grade	Credits	10th Grade	Credits	11th Grade	Credits	12th Grade	Credits	Y 13	
English (x4 credits)	English 9 <b>OR</b> Honors English 9	1	English 10 <b>OR</b> Honors English 10	1	English 11 <b>OR</b> AP English Language	1	English 12 <b>OR</b> College Prep English <b>OR</b> 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	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)	Biology <b>OR</b> Honors Biology	1	Chemistry <b>OR</b> Honors Chemistry	1	Required: AP Environmental Science either Junior or Senior year Physics <b>OR</b> AP Physics I  Highly Recommended: AP Physics II    AP <b>OR</b> College Chemistry    AP <b>OR</b> College Biology	1		1+		
Social Studies (x3 credits) (1 World; 1 US; 0.5 Govt; 0.5 elective)	World History <b>OR</b> Honors World History	1	Recommended: Business Economics	.5	US History <b>OR</b> AP US History	1	US Govt <b>OR</b> AP US Govt	.5		
PE/Health (1 credit)	PE Concepts <b>OR</b> Cheer/Drill Team <b>OR</b> Strength & Conditioning <b>AND</b> Health	1	<i>Optional: P.E. Concepts <b>AND/OR</b> 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 <a href="http://eacademy.olatheschools.com">eacademy.olatheschools.com</a></i>							Y 14
Fine Arts (1 credit) (Visual or Performing)	Student choice - any year(s) <b>1+</b> Recommended:									
World Lang/App'l Comm (1 credit)	Student choice - any year(s) <b>1+</b> 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 or 12th grade <b>.5</b> (may be taken online through eAcademy)									
Practical & Consumer (1 credit)	<i>Students fulfill Practical &amp; Consumer graduation requirement through 21st Century Academy Courses</i>									
Technology (0.5 credit)	<i>Energy Strand: Students fulfill Technology graduation requirement through 21st Century Academy Courses</i>				<i>Sustainability Strand: Student Choice: Recommend: Engineering Drafting/CAD I</i>					
Individual Focus (6 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	2	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](http://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](mailto:GreenTech@olatheschools.org) • 913.780.7180 •  @OlatheGreenTech

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