



# PLTW Gateway

Massachusetts Science and  
Technology / Engineering Curriculum  
Framework Crosswalk



PLTW Gateway (6-8) is designed to meet your science learning needs. The units are developed to ensure an unmatched experience, combining three-dimensional learning; unique, problem-based instructional approach; real-world applied learning; as well as Spanish language options – all in one program.

This Crosswalk shows how each PLTW Gateway unit supports the Massachusetts Science and Technology/ Engineering Curriculum Framework. In addition to supporting the Massachusetts Framework, PLTW Gateway’s cross-curricular approach integrates multiple bodies of standards work within each unit. Throughout the program, career connections is a foundational focus as students experience world class curriculum that supports the development of real-world, transportable skills.

Use this crosswalk in combination with the [PLTW Gateway unit descriptions](#) and [standards documents](#) as planning tools to explore how PLTW Gateway can support your students’ learning experiences.

Please note: The information included in this document is subject to change. As with all course materials, we will continue to update as more information becomes available.

Automation and Robotics	Design and Modeling	App Creators	CS for Innovators and Makers	Energy and the Environment
<b>Physical Sciences</b> 7.MS-PS3-1 7.MS-PS3-2 7.MS-PS3-4 7.MS-PS3-5				<b>Physical Sciences</b> 7.MS-PS3-1 7.MS-PS3-3 7.MS-PS3-4 7.MS-PS3-5 8.MS-PS1-4
<b>Science and Engineering Practices</b> NGSS-P1 NGSS-P2 NGSS-P4 NGSS-P5 NGSS-P6 NGSS-P8	<b>Science and Engineering Practices</b> NGSS-P1 NGSS-P2 NGSS-P3 NGSS-P4 NGSS-P5 NGSS-P6 NGSS-P7 NGSS-P8	<b>Science and Engineering Practices</b> NGSS-P1 NGSS-P2 NGSS-P4 NGSS-P5 NGSS-P6 NGSS-P8	<b>Science and Engineering Practices</b> NGSS-P1 NGSS-P4 NGSS-P5 NGSS-P6 NGSS-P8	
				<b>Earth and Space Sciences</b> 7.MS-ESS3-4 8.MS-ESS3-5
<b>Engineering Design</b> 6.MS-ETS1-1 6.MS.ETS1-6(MA) 7.MS-ETS1-2 7.MS-ETS1-4 7.MS-ETS1-7(MA)	<b>Engineering Design</b> 6.MS-ETS1-1 6.MS.ETS1-6(MA) 7.MS-ETS1-2 7.MS-ETS1-4 7.MS-ETS1-7(MA)	<b>Engineering Design</b> 6.MS-ETS1-1 6.MS.ETS1-6 (MA) 7.MS-ETS1-2 7.MS-ETS1-7(MA)	<b>Engineering Design</b> 6.MS-ETS1-1 6.MS-ETS1-6(MA) 7.MS-ETS1-7(MA)	<b>Engineering Design</b> 6.MS-ETS1-1 6.MS.ETS1-6(MA) 7.MS-ETS1-2 7.MS-ETS1-4 7.MS-ETS1-7(MA)
<b>Materials, Tools, and Manufacturing</b> 6.MS-ETS2-2(MA) 6.MS-ETS2-3(MA)	<b>Materials, Tools, and Manufacturing</b> 6.MS-ETS2-2(MA) 6.MS-ETS2-3(MA)		<b>Materials, Tools, and Manufacturing</b> 6.MS-ETS2-2(MA)	<b>Materials, Tools, and Manufacturing</b> 6.MS-ETS2-1(MA) 6.MS-ETS2-2(MA)
<b>Technological Systems</b> 7.MS-ETS3-4(MA) 7.MS-ETS3-5(MA)	<b>Technological Systems</b> 7.MS-ETS3-4(MA)	<b>Technological Systems</b> 7.MS-ETS3-5(MA)	<b>Technological Systems</b> 7.MS-ETS3-5(MA)	<b>Technological Systems</b> 7.MS-ETS3-4(MA)
<b>Other Body of Standards Support</b>				
Common Core English Language Arts				
Common Core Math				
Standards for Technological Literacy				
		Common Core State Standards for English Language Arts: 6-8 Literacy Standards for History/ Social Studies, Science, and Technical Subjects		
		The Computer Science Teachers Association Standards		

Flight and Space	Green Architecture	Magic of Electrons	Medical Detectives	Science of Technology
<b>Physical Sciences</b> 6.MS-PS2-4 8.MS-PS-2-1 8.MS-PS-2-2		<b>Physical Sciences</b> 6.MS-PS4-2 6.MS-PS4-3 7.MS-PS2-3 7.MS-PS2-5 8.MS-PS1-1		<b>Physical Sciences</b> 6.MS-PS1-6 8.MS-PS-2-1 8.MS-PS-2-2
<b>Science and Engineering Practices</b> NGSS-P1 NGSS-P2 NGSS-P3 NGSS-P4 NGSS-P5 NGSS-P6 NGSS-P7 NGSS-P8			<b>Science and Engineering Practices</b> NGSS-P1 NGSS-P2 NGSS-P3 NGSS-P4 NGSS-P5 NGSS-P6 NGSS-P7 NGSS-P8	
			<b>Life Sciences</b> 6.MS-LS1-3	
<b>Earth and Space Sciences</b> 8.MS-ESS1-2	<b>Earth and Space Sciences</b> 7.MS-ESS3-2 7.MS-ESS3-4 8.MS-ESS3-5			<b>Earth and Space Sciences</b> 7.MS-ESS3-4
<b>Engineering Design</b> 6.MS-ETS1-1 6.MS.ETS1-6(MA) 7.MS-ETS1-2 7.MS-ETS1-4 7.MS-ETS1-7(MA)	<b>Engineering Design</b> 6.MS-ETS1-1 6.MS.ETS1-6(MA) 7.MS-ETS1-2 7.MS-ETS1-4 7.MS-ETS1-7(MA)	<b>Engineering Design</b> 6.MS-ETS1-1 6.MS.ETS1-6(MA) 7.MS-ETS1-2 7.MS-ETS1-4 7.MS-ETS1-7(MA)		<b>Engineering Design</b> 6.MS-ETS1-1 6.MS.ETS1-6(MA) 7.MS-ETS1-2 7.MS-ETS1-4 7.MS-ETS1-7(MA)
<b>Materials, Tools, and Manufacturing</b> 6.MS-ETS2-2(MA)		<b>Materials, Tools, and Manufacturing</b> 6.MS-ETS2-1(MA) 6.MS-ETS2-2(MA) 6.MS-ETS2-3(MA)		<b>Materials, Tools, and Manufacturing</b> 6.MS-ETS2-2(MA) 6.MS-ETS2-3(MA) 8.MS-ETS2-4(MA)
<b>Technological Systems</b> 7.MS-ETS3-3(MA)	<b>Technological Systems</b> 7.MS-ETS3-4(MA)	<b>Technological Systems</b> 7.MS-ETS3-5(MA)		<b>Technological Systems</b> 7.MS-ETS3-4(MA)
<b>Common Core English Language Arts</b>				
<b>Common Core Math</b>				
<b>Standards for Technological Literacy</b>				
			Common Core State Standards for English Language Arts: 6-8 Literacy Standards for History/Social Studies, Science, and Technical Subjects	
			National Health Science Standards	