

## Project Lead the Way's K-12 Curricular Pathways

	<b>PLTW   Launch</b> Grades K - 5 10-hour modules	<b>PLTW   Gateway</b> Grades 6 - 8 9-week units	<b>PLTW Programs</b> for Grades 9 - 12 Semester <sup>1</sup> - and year-long courses
<p><b>Biomedical Science</b></p>	<p>K. Structure and Function: Human Body</p> <ol style="list-style-type: none"> <li>1. Animal Adaptations</li> <li>2. The Changing Earth</li> <li>3. Variation of Traits</li> <li>4. Input/Output: Human Brain</li> <li>5. Infection: Detection</li> </ol>	<p>Design and Modeling Medical Detectives</p>	<p><b>PLTW   Biomedical Science</b></p> <p>Principles of Biomedical Science Human Body Systems Medical Interventions Capstone: Biomedical Innovation</p>
<p><b>Computer Science</b></p>	<p>K. Animals and Algorithms</p> <ol style="list-style-type: none"> <li>1. Animated Storytelling</li> <li>2. Grids and Games</li> <li>3. Programming Patterns</li> <li>4. Input/Output: Computer Systems</li> <li>5. Infection: Modeling and Simulation</li> </ol>	<p>Design and Modeling Computer Science Innovators and Makers App Creators</p>	<p><b>PLTW   Computer Science</b></p> <p>Computer Science Essentials Computer Science Principles Computer Science A Cybersecurity</p>
<p><b>Engineering</b></p>	<p>K. Structure and Function: Exploring Design</p> <p>K. Pushes and Pulls</p> <ol style="list-style-type: none"> <li>1. Light and Sound</li> <li>1. Light: Observing the Sun, Moon, and Stars</li> <li>2. Materials Science: Properties of Matter</li> <li>2. Materials Science: Form and Function</li> <li>3. Stability and Motion: Science of Flight</li> <li>3. Stability and Motion: Forces and Interactions</li> <li>4. Energy: Collisions</li> <li>4. Energy: Conversion</li> <li>5. Robotics and Automation</li> <li>5. Robotics and Automation: Challenge</li> </ol>	<p>Automation and Robotics Design and Modeling Energy and the Environment Flight and Space Green Architecture Magic of Electrons</p>	<p><b>PLTW   Engineering</b></p> <p>Introduction to Engineering Design Principles of Engineering Aerospace Engineering Civil Engineering and Architecture Computer Integrated Manufacturing Computer Science Principles Digital Electronics Environmental Sustainability Capstone: Engineering Design and Development</p>