

Project Lead The Way's K-12 Curricular Pathways

	PLTW Launch Grades K - 5	PLTW Gateway Grades 6 - 8	PLTW Programs Grades 9 - 12
Biomedical Science	K. Structure and Function: Human Body 1. Animal Adaptations 3. Variation of Traits 4. Input/Output: Human Brain 5. Infection: Detection	Medical Detectives	Principles of Biomedical Science Human Body Systems Medical Interventions Biomedical Innovation
Computer Science	K. Animals and Algorithms 1. Animated Storytelling 2. Grids and Games 3. Programming Patterns 4. Input/Output: Computer Systems 5. Infection: Modeling and Simulation	Computer Science for Innovators and Makers App Creators	Computer Science Essentials Computer Science Principles Computer Science A Cybersecurity (<i>Beta release 2018-19</i>)
Engineering	K. Structure and Function: Exploring Design K. Pushes and Pulls 1. Light and Sound 1. Light: Observing the Sun, Moon, and Stars 2. Materials Science: Properties of Matter 2. Materials Science: Form and Function 2. The Changing Earth 3. Stability and Motion: Science of Flight 3. Stability and Motion: Forces and Interactions 4. Energy: Collisions 4. Energy: Conversion 5. Robotics and Automation 5. Robotics and Automation: Challenge	Automation and Robotics Design and Modeling Energy and the Environment Flight and Space Green Architecture Magic of Electrons Science of Technology	Introduction to Engineering Design Principles of Engineering Aerospace Engineering Civil Engineering and Architecture Computer Integrated Manufacturing Computer Science Principles Digital Electronics Environmental Sustainability Engineering Design and Development

All PLTW programs give students opportunities to learn and apply problem-solving strategies, critical and creative thinking, and communication and collaboration skills. The chart above categorizes modules, units and courses by primary pathway focus.