

P-TECH	Freshman	Sophomore	Junior	Senior
Health Diagnostics	Principals of Health Science	Medical Terminology	Health Science Theory/Clinical	Practicum in Health Science
Hands-on activities - Health Diagnostics	Building an edible cell; Using an egg to model passive transport of water; Hand hygiene/infection control/Intro-CPR	Students learn medical terms for real-world applications in a variety of career settings (PA; nurse; Pharm Tech; medical assistant, etc.)	Teamwork, Safety, Infection Control, CPR, Vital Signs, Physical Therapy Skills	Vital signs; Infection Control; EKG Procedures/Safety procedures(body mechanics)Employability skills
Biomedical	Principals of Biomedical Science	Human Body Systems	Medical Interventions	Biomedical Innovations or Practicum in Health Science
Hands-on activities - Biomedical	The PLTW-Biomedical Science/Pathway allows students to engage in real-world cases and scenarios and contains many hands-on labs. Through the various lab's students develop proficiency in laboratory and clinical skills using equipment that would be used in a biomedical clinical setting.	The BioDigital 3-D Human Platform is an awesome tool to use for distance learning. It allows students to become engaged in learning the anatomy and are better able to label, visualize disease and treatments as well as perform visual dissections.	Vaccinations: building recombinant DNA model; Building Bacterial replication models; Using an egg to model passive transport of water; Vitruvian man lab: writing testable hypotheses; 8. The students are given the opportunity to complete a PCR Virtual Lab which will allows them to identify pathogens. Students follow instructions and answer assignment questions on a document as they complete the virtual lab. Students Go to: http://learn.genetics.utah.edu and find Virtual Labs – select PCR. And have fun Learning!	Students sketch ideas for biomedical innovation using shapes to brainstorm; Students create a prototype; for environmental studies, students collect water samples