



Park Hill School District

Building Successful Futures • Each Student • Every Day

Middle School PLTW: GTT Medical Detectives and Science of Technology Curriculum

Course Description Medical Detectives (MD): In the Medical Detectives (MD) unit, students play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, dissect a brain, investigate disease outbreaks, and explore how a breakdown or disruption within the human body can lead to dysfunction. © 2018 Project Lead The Way

Course Description Science of Technology (ST): In the Science of Technology (ST) unit, students explore how science impacts the technology of yesterday, today, and the future. Students apply the concepts of physics, chemistry, and nanotechnology to STEM activities and projects, including making ice cream, cleaning up an oil spill, and discovering the properties of nanomaterials. © 2014 Project Lead The Way

Scope and Sequence:

Timeframe	Unit	Instructional Topics
9 Weeks	Medical Detectives	Topic 1: Disease Detectives Topic 2: Mysteries of the Human Body Topic 3: Outbreak!
9 Weeks	Science of Technology	Topic 1: Applied Chemistry Topic 2: Nanotechnology Topic 3: Applied Physics

Curriculum Revision Tracking

Fall 2018

- Medical Detectives
 - Course description updated to reflect changes to Project Lead The Way curriculum.
 - Topic 1
 - Title changed from “What is a Medical Detective” to “Disease Detectives” to reflect changes to Project Lead The Way
 - Topic 3
 - Title changed from “Murder Mystery” to “Outbreak!” to reflect changes to Project Lead The Way