

BD Course Guide

Course Description: Project Lead The Way - Medical Interventions: Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

[PLTW Medical Interventions Full Guide](#)

Units of Study (Sequenced)	Essential Standards Covered	Key Learning Targets & Essential Vocabulary	Essential Question(s)	Common Assessment	Pacing
Lesson 1.1 - The Mystery Infection	Pages 7-9	See Pages 7-9 of the attached course guide.			1.5 Weeks
Lesson 1.2 - Antibiotic Treatment	Pages 10-12	See Pages 10-12 of the attached course guide.			1.5 Weeks
Lesson 1.3 - The Aftermath; Hearing Loss	Pages 13-15	See Pages 13-15 of the attached course guide.			1.5 Weeks
Lesson 1.4 - Vaccination	Pages 16-18	See Pages 16-18 of the attached course guide.			1.5 Weeks
Lesson 2.1 - Genetic Testing and Screening	Pages 19-21	See Pages 19-21 of the attached course guide.			1.5 Weeks
Lesson 2.2 - Our Genetic Future	Pages 22-23	See Pages 22-23 of the attached course guide.			1.5 Weeks
Lesson 3.1 - Detecting Cancer	Pages 24-26	See Pages 24-26 of the attached course guide.			1.5 Weeks
Lesson 3.2 - Reducing Your Risk	Pages 27-29	See Pages 27-29 of the attached course guide.			1.5 Weeks
Lesson 3.3 - Treating Cancer	Pages 30-32	See Pages 30-32 of the attached course guide.			1.5 Weeks
Lesson 3.4 - Building a Better Cancer Treatment	Pages 33-35	See Pages 33-35 of the attached course guide.			1.5 Weeks
Lesson 4.1 - Manufacturing	Pages 36-38	See Pages 36-38 of the attached course guide.			1.5 Weeks

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Human Proteins			
Lesson 4.2 - Organ Failure	Pages 39-40	See Pages 39-40 of the attached course guide.	1.5 Weeks
Lesson 4.3 - Transplant	Pages 41-43	See Pages 41-43 of the attached course guide.	1.5 Weeks
Lesson 4.4 - Building a Better Body	Pages 44-45	See Pages 44-45 of the attached course guide.	1.5 Weeks