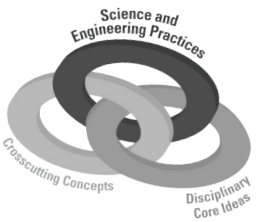
Bodies



Unit Overview

Phenomenon: People become sick when body systems don't function properly.
Storyline: Everyday, people all over the world get sick. Sometimes they recover; sometimes they don't. Like a doctor, use evidence from medical charts, test results, and medical fact sheets to "diagnose" problems four patients are experiencing.

Interacting Body Systems

Dissect a frog (or watch a series of videos demonstrating a dissection) to learn about body systems and how they interact. Then, create a lifesize model of the human body to post in your doctor's office. You will also diagnose your first patient, Mr. T.

Engineering Challenge: Designing a Prosthetic Hand

Design, build, test, and modify a prosthetic hand to serve a specific function.

Levels of Organization

Learn about microscopes and look at tissues to identify structure and function relationships. Then, interpret tissue samples to help diagnose another patient, Ms. B.

Controlling Body Systems

Learn about and add the nervous system to your lifesize human body models. Then, act out a play on how information is processed in the body. Use your knowledge of the nervous system and how it functions to diagnose Ms. K.

Performance Assessment: Diagnosing JJ

Use your knowledge of body systems and information processing to argue for a diagnosis of your fourth patient, JJ.

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ANCHORING PHENOMENON

Anchoring Phenomenon: Very small problems in the structure or function of a subsystem can affect the whole body and a person's health.

1. Complete the first two columns of this chart.
   - List what you think you already know about this unit's phenomenon.
   - Then write at least three questions you have about this phenomenon.

   Return to this chart at the end of the unit. Add the key information you learned about this phenomenon. Give evidence!

Know	Want to Know	Learned

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