

6TH GRADE SCIENCE

How can we use science and engineering practices to explore energy, climate, body systems, and the growth and reproduction of organisms?

THE 5 UNITS

Unit 0: Groupwork

How do we work productively in groups? Groupwork is an instructional strategy that helps promote equitable classrooms, provide opportunities for student interactions, and increase science discussions to improve student learning.



Groupwork

Unit 1: Energy

How can we design a device to warm something up? Students engineer a device that maximizes thermal energy transfer into a system to meet the needs of one of two possible clients.



Energy

Unit 2: Human Impact on Earth's Climate

What are the effects of global temperature rise on San Francisco Bay, and what can we do about it? Students analyze the local impact of climate change and work together to create plans to help their school meet one of the San Francisco Unified School District's sustainability goals.



Human Impact on Earth's Climate

Unit 3: Cells and Body Systems

Should SFUSD ban caffeine? Why or why not? Students create a presentation in which they argue whether caffeine should be banned from the San Francisco Unified School District.



Cells and Body Systems

Unit 4: Reproduction and Heredity

How can we design a garden that supports the growth and reproduction of strawberry plants? Students develop an argument that uses evidence to support their plan for a strawberry garden.



Reproduction and Heredity