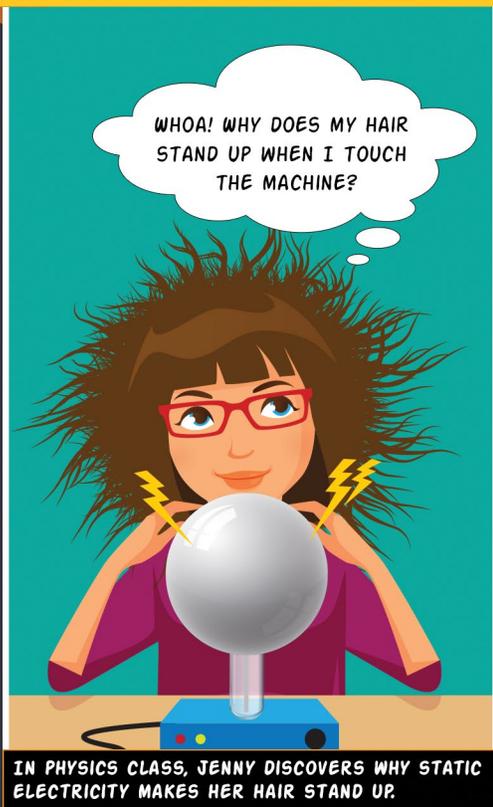


**OBSERVING, POSING QUESTIONS
MAKING SENSE OF REAL-WORLD
OBJECTS AND EVENTS (PHENOMENA)**

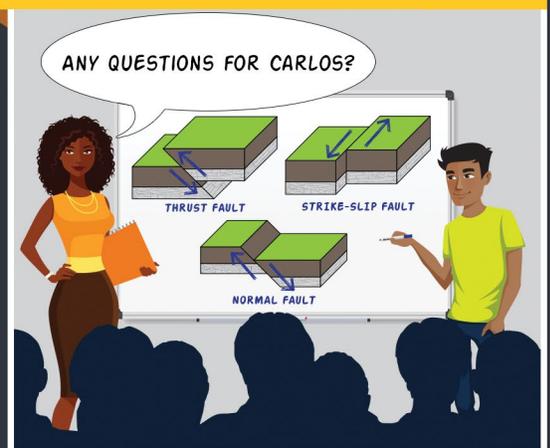


IN PHYSICS CLASS, JENNY DISCOVERS WHY STATIC ELECTRICITY MAKES HER HAIR STAND UP.

How today's students learn SCIENCE



**DEVELOPING MODELS TO EXPLAIN
A REAL-WORLD OBJECT OR EVENT**



MEANWHILE, IN MS. STURGEON'S EARTH SCIENCE CLASS, CARLOS EXPLAINS WHY CALIFORNIA HAS SO MANY EARTHQUAKES.

**PLANNING AND CARRYING OUT
INVESTIGATIONS AND ANALYZING DATA**



STUDENTS INVESTIGATE THE QUALITY OF WATER IN A NEARBY POND.

**DESIGNING SOLUTIONS USING
ENGINEERING AND TECHNOLOGY**



AFTER MANY DESIGNS, DEJA BUILT THE STRONGEST BRIDGE IN THE CLASS.

DISCUSSING, EXPLAINING, AND USING EVIDENCE FOR IDEAS



IN THE GYM, BOBBY DEMONSTRATES AND EXPLAINS HIS IDEAS ABOUT ENERGY TRANSFER

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