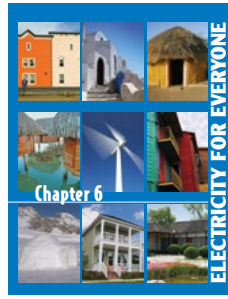


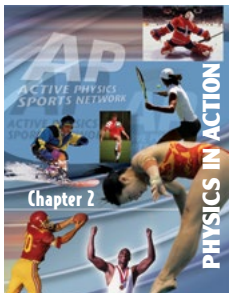
Chapter 1: Driving the Roads

Chapter Challenge: Students demonstrate their knowledge of the physics of driving by making a presentation to a board of driving instructors.



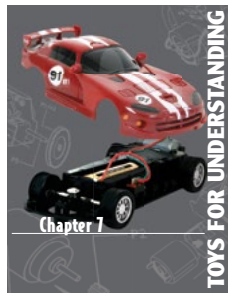
Chapter 6: Electricity for Everyone

Chapter Challenge: Students design an appliance package for a family home that is powered by a wind-driven generator.



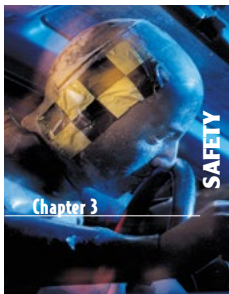
Chapter 2: Physics in Action

Chapter Challenge: Students develop a 2-3 minute voice-over for a sports clip explaining the physics involved in the sport.



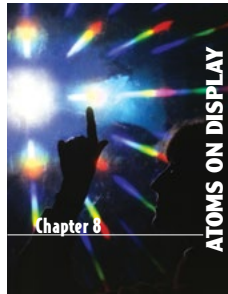
Chapter 7: Toys for Understanding

Chapter Challenge: Students develop a toy that uses a motor or generator, and an instruction manual for assembly.



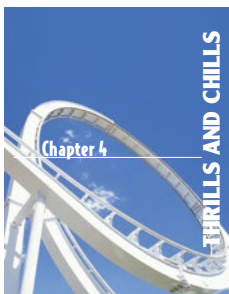
Chapter 3: Safety

Chapter Challenge: Students design a safety system to protect passengers during a collision.



Chapter 8: Atoms on Display

Chapter Challenge: Students develop a museum exhibit to acquaint visitors with aspects of the atom.



Chapter 4: Thrills and Chills

Chapter Challenge: Students modify the design of a roller coaster to meet the needs of a specific group of riders.



Chapter 9: Sports on the Moon

Chapter Challenge: Students develop a proposal for NASA by adapting or inventing a sport that can be played on the Moon.



Chapter 5: Let Us Entertain You

Chapter Challenge: Students design a sound and light show.

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