

# MOVIE EFFECTS

*Discover why science is the real star on the big screen. Create cool sound effects. Toy with 3-D technology. Make motion pictures come alive. Sketch a short feature in the Cartoon Creator flipbook.*

## **SUMMARY:**

Movie Effects gives children a chance to sit in the director's chair and discover why science is the real star on the big screen. Exciting demonstrations and hands-on activities allow children to discover the science behind the amazing sound and weather effects from their favorite movies. Children investigate 3-D technology, and experience how this effect can make them feel like part of the action. Motion pictures come alive with a spinning praxinoscope. Children use the Cartoon Creator to make their own mini movie flipbooks that they can take home.

## **EDUCATIONAL VALUE:**

Movie Effects is an exciting introduction to the science involved in the spectacular special effects and technology that are behind motion picture magic. Children learn the science applications in filmmaking, from the chemistry of movie snow, to the acoustics of Foley artist sound effects, to the optics of 3-D technology.

## **TAKE-HOME MESSAGE:**

- 1 Our eyes and brains join fast-moving still pictures in movies.
- 2 Science helps create special effects for movies.
- 3 Things seem to jump out in 3-D movies because two pictures overlap.

## **TAKE-HOME PRODUCT:**

Cartoon Creator

## **NORTH CAROLINA ESSENTIAL STANDARDS:**

- 1.P.1.1 Explain the importance of a push or pull to changing the motion of an object.
- 2.P.1.1 Illustrate how sound is produced by vibrating objects and columns of air.

