

WACKY WAVES

*Simulate the effects of an ocean oil spill, and develop creative techniques to clean it up! Create your own **Rescue Diver** tool while learning about water, waves, and the environment.*

SUMMARY:

Children make waves with Wacky Water and immerse themselves in some wet and wonderful science. Sinking soda introduces density. The investigation continues with liquid layers in the Density Stacker activity. Children apply their knowledge to real-world problems such as oil spills. How hard are they to clean up? Children find out for themselves, and then build and keep their very own Rescue Diver Take-Homes.

EDUCATIONAL VALUE:

Wacky Water introduces children to the properties of water. Children explore this fascinating fluid's many facets including density, water as the universal solvent, water pollution, and wave motion. Water is a remarkable substance. It covers more than three quarters of Earth's surface—and no life on Earth could survive without it. Yet, besides water's two other states (steam and ice), children know little about its other properties. The Wacky Water program lets them get their feet wet and wade into a wider study of this all important compound.

TAKE-HOME MESSAGE:

- 1 Water exists on Earth as a solid, liquid, and gas.
- 2 Less dense matter floats on denser matter.
- 3 Water is important for life on Earth.

TAKE-HOME PRODUCT:

Rescue Diver

NORTH CAROLINA ESSENTIAL STANDARDS:

- 1.L.1.3 Summarize ways that humans protect their environment and/or improve conditions for the growth of the plants and animals that live there (e.g., reuse or recycle products to avoid littering).

