



Investigate Phenomena

What Will We Observe Today?



Hot Colors



Heat-loving bacteria create colorful rings around a Yellowstone National Park hot spring.
www.carolina.com/video2

Tricky Tail



The ringtail cat, a nocturnal hunter in Mexico, uses the rings on its tail to fool predators.
www.carolina.com/video3

Mpemba Effect



Hot water freezes instantly in Canada's subzero temperatures.
www.carolina.com/video1

Fire and Water



Gas deep below the surface keeps fire burning beneath Eternal Flame Falls in New York.

See-Through



The translucent skin on this tiny Central and South American glass frog's belly gives it its name.
www.carolina.com/video4

Dirty Lightning



This lightning isn't from a thunderstorm. It's in the ash and smoke of a volcano in Chaitén, Chile.

Daddy Day Care



Line up with these emperor penguins in Antarctica.
www.carolina.com/video5

Monsterface



The shoebill stork, found in east to central Africa, just might be the fiercest bird in the world.
www.carolina.com/video8

Moonbow



A lunar rainbow arcs over Victoria Falls in Zambia and Zimbabwe.

Midnight Sun



The sun doesn't set all summer long in Lofoten Islands, Norway.
www.carolina.com/video6

Sky Ballet



Are these starlings dancing or fleeing a predator in the skies over the United Kingdom?
www.carolina.com/video7

Keep It Fresh



Baikal seals are the only seals that live solely in a freshwater habitat—Russia's Lake Baikal.
www.carolina.com/video10

Aglow



At Vaadhoo Island, Maldives, you can swim in a sea of stars.

Beachy Snowballs



Snowballs created by rolling snow—some 3 feet wide—cover a beach in Siberia.

Sun Dogs



Sunlight passes through snow crystals in the air, creating the illusion of three suns in Russia.

Spelunking



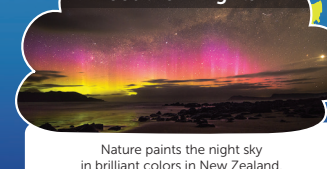
Head to Vietnam to find Son Doong, the largest cave in the world.
www.carolina.com/video11

Mysterious Mammal



Not only does the duck-billed platypus—an Australian mammal—lay eggs, it hunts prey by detecting their electric fields.
www.carolina.com/video12

Southern Lights



Nature paints the night sky in brilliant colors in New Zealand.

Icy Desert



Antarctica—the world's largest desert—has no sand. It's covered in ice!
www.carolina.com/video9

Use your electronic device to scan the QR Codes to experience phenomena around the world!

1. Open the QR Code reader on your phone or tablet.
2. Hold your device over the QR Code so the code is clearly visible on the screen.
3. If necessary, press the button.

The **Building Blocks of Science 3D** program for grades K–5 includes phenomena-based investigations in every unit.
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