Week 6: Grades 6-8

MINDS-ON MONDAY
Explore digital lessons that get you thinking.

TUNDRA TUESDAY
Learn more about polar bears, the arctic, and how you can help protect our environment.

WHELMERS’ WEDNESDAY
Get hands-on as you engage in the scientific thinking process.

THURZDAY SKILLZ DAY
Apply your thinking skills to real-world questions.

FIELD TRIP FRIDAY
Go on virtual field trips to amazing destinations.

WEEKEND CHALLENGE
Watch “Help is All Around Us” together with a parent or guardian. Then use the Opioid Use and Misuse digital lesson to learn about opioids, the effects of these drugs on the human brain, and the endorphin-like effects on the human body.
Minds-On Monday
Travel Through Time

Transport yourself through the last 100 years to meet the innovations that have shaped our world.

Download Activity
Tundra Tuesday
Learn what it’s like to live alongside polar bears and more with Polar Bears 101.

Then have fun with this coloring, activity, and safety guide to living in polar bear country. Download the guide.
Whelmers’ Wednesday
Disappearing Glass

Be whelmed! Make a glass disappear using a secret ingredient.

3M Young Scientist Lab: Disappearing Glass

3M is committed to helping educators, students and parents as they adapt to a new way of learning with Science at Home—easy experiments that reinforce core science principles.
ThurZday SkillZ Day
Plastic Fabric Art*

Work with an adult in your house to see if you can make fabric from plastic bags.

Follow the instructions and then share your creative accessories, art or fashion – and don’t forget to explore the career connection!!

*CAREER CONNECTION
You acted like a materials engineer—someone who makes and tests new materials for products. If you enjoy finding ways to improve recycling, waste disposal, public health, and water and air pollution control then you may want a career as a waste management specialist.

CAN YOU MAKE FABRIC FROM PLASTIC BAGS?

1. Cut away seams and handles from the bags.
2. Layer 2–6 plastic bags between sheets of tracing or parchment (baking) paper.
3. Think about your colors and design before the next step.
4. Use an iron on the lowest setting on an ironing board or pad.* Apply the iron to the parchment paper to fuse the plastic together.
   Note: The iron will never touch the plastic directly.
5. Check the plastic bags frequently and adjust the temperature as needed.
6. Use your new plastic fabric to make purposefully and inspiring sustainable accessories, art, or fashion.

*Adult Supervision Required

Explore more Family Activities!
Field Trip Friday
Boeing and Discovery Education are recognizing the 50th anniversary of Earth Day with the ecoAction Virtual Field Trip. Watch the VFT to investigate the themes of air, land, water, and waste as you explore how you can do your part to improve the environment, as well as how a large company like Boeing is doing its part, too.

ecoAction Virtual Field Trip
Boeing FUTURE U ecoAction Virtual Field Trip

Become a Citizen Scientist! Visit SciStarter.org and follow the instructions to contribute virtually to a real scientific project!

Share the project summary with someone in your home and then follow the website's instructions to begin your work as a citizen scientist!
References

**Minds-On Monday**
3M Young Scientist Lab
https://www.youngscientistlab.com/
https://tinyurl.com/ycsghy5h

**Tundra Tuesday**
Polar Bears International
https://polarbearsinternational.org
Activity guide: https://tinyurl.com/y9uvnofs

**Whelmers’ Wednesday**
3M Young Scientist Lab & Challenge
https://www.youngscientistlab.com
Science at Home: https://tinyurl.com/yc7wm53f
Disappearing Glass: https://tinyurl.com/ydeppsz5

**ThurZday SkillZ Day**
STEM Careers Coalition Family Activities
https://stemcareerscoalition.org/parents-and-guardians

**Field Trip Friday**
Boeing FUTURE U.
https://www.boeingfutureu.com/
VFT: https://www.boeingfutureu.com/virtual-field-trips/environment
Student Handout: https://tinyurl.com/yb58kylu

**Weekend Challenge**
Dose of Knowledge
https://www.doseofknowledge.com/educators