



Daily DE

— MIDDLE SCHOOL GRADES 6-8

Week 2: Grades 6-8

MINDS-ON MONDAY

Explore digital interactives 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.



FAMILY ACTIVITIES

Go beyond the classroom and extend learning with activities designed for families to complete together.

WEEKEND CHALLENGE

[Take a family vacation to Mars](#) or check out the other family activities at [Generation Beyond](#).

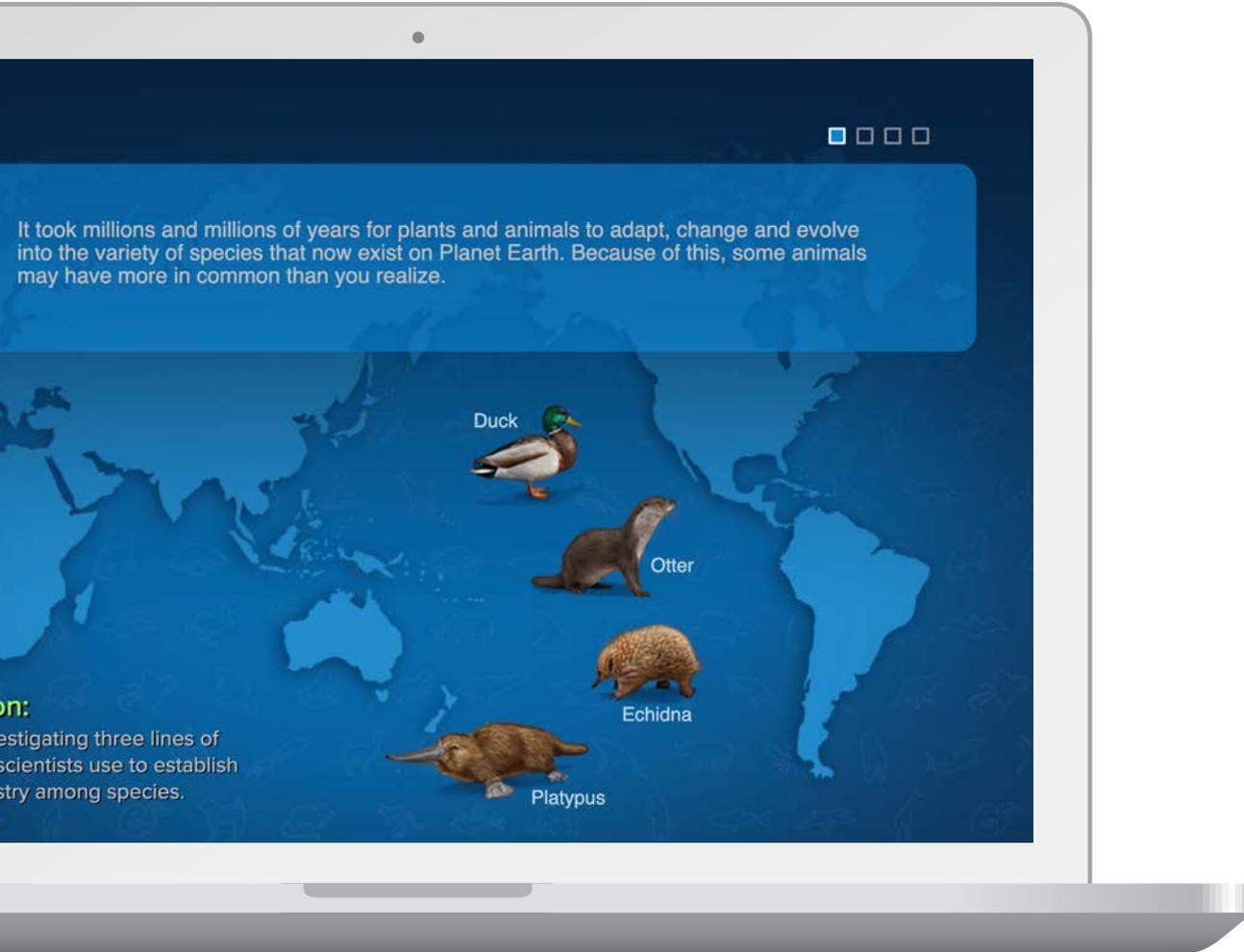


Minds-On Monday

Tracing Life's Roots

Uncover the mystery of animal relatedness with this digital exploration.

[TGR EDU: Explore](#)



DIGITAL EXPERIENCE **NEW**

TRACING LIFE'S ROOTS
ANIMAL ANCESTRY

Begin

TRACING LIFE'S ROOTS
Digital Exploration
Grades 6-10 | 25-30 min. seat time
STEM

Students will investigate common ancestry among four distinct species by comparing embryonic development stages, anatomical evidence and genetic evidence in this guided digital exploration. Through the lens of various careers in STEM, students will experience how real-world scientists uncover the mystery of animal relatedness.

[Get Started](#)



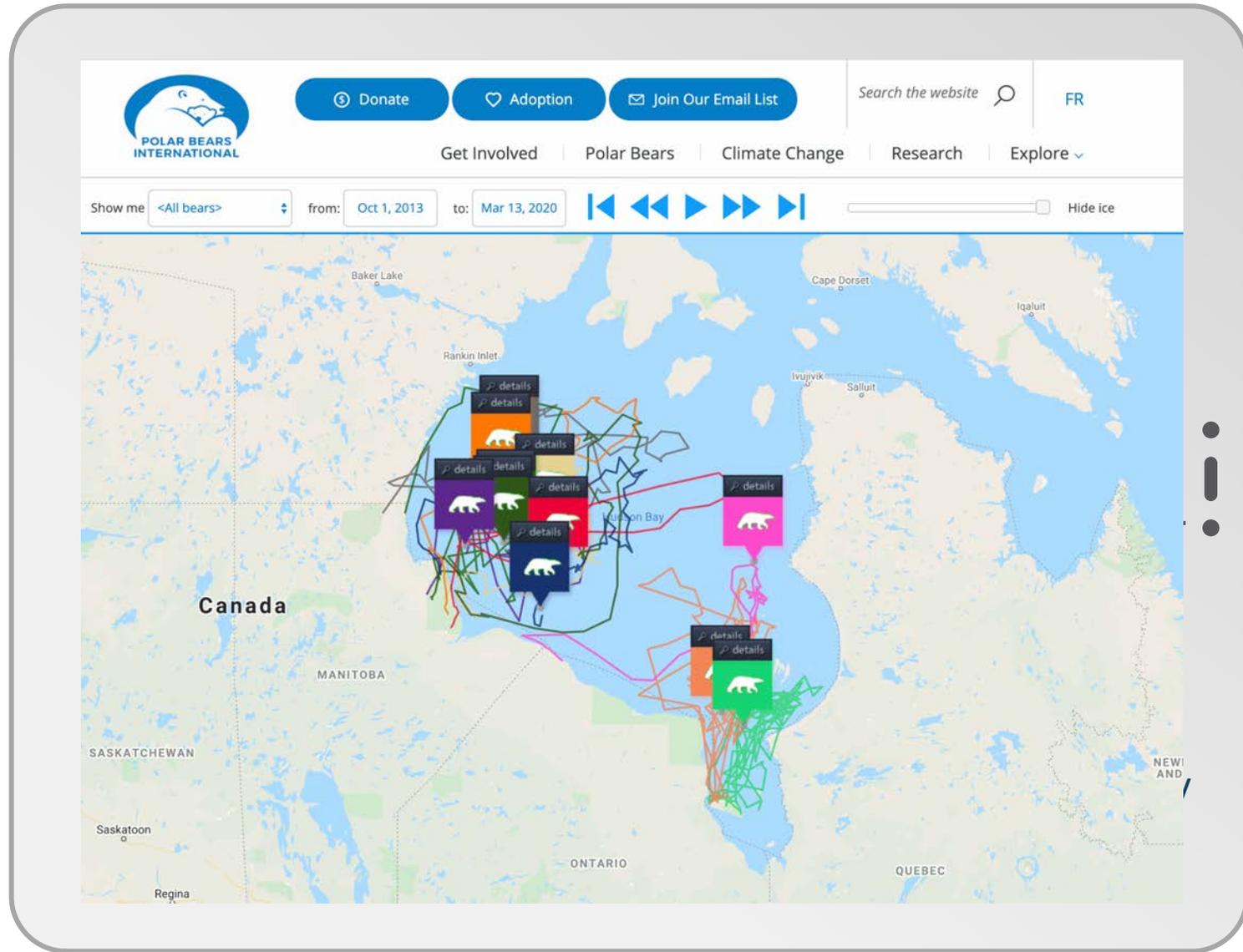
Tundra Tuesday

Bear Tracker

Just as each snowflake is unique and one of a kind, so too is each polar bear's path across the sea ice.

[Read this article](#) to learn more about the polar bear's path.

Then track a polar bear using the [Bear Tracker](#) from Polar Bears International.



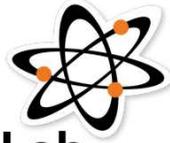


Whelmers' Wednesday

3M

Young Scientist Lab

in partnership with: **Discovery**
EDUCATION



WHELMERS

Salt Engineering

Salt crystals demonstrate how forces can be directed in mechanical systems.



WHAT YOU NEED

- ruler
- cardboard tube, such as a wax paper, plastic wrap, or aluminum foil tube
- tissue paper or wax paper
- rubber bands or masking tape
- table salt—enough to fill the tube half full
- 1-inch wooden dowel or broomstick

Salt Engineering

Bewhelmed! Capture your curiosity and engage in the scientific thinking process as you discover how forces can be directed in mechanical systems.

3M Young Scientist Lab: Whelmers Salt Engineering

For more Whelmers check out the [3M Young Scientist Lab](#).



ThurZday SkillZ Day

Budgeting

How do you picture your future?
Making your dreams come true
requires smart planning,
especially in managing your
money.

Let's start by understanding how
to budget our money.

Go to:

[Pathway to Financial Success in Schools](#)

Watch the Unit 1 video.

UNIT 1 : BEING FINANCIALLY RESPONSIBLE

Budgeting: What Is It and How Does It Work?

Simply put, a budget is a spending plan for your money. Learn how to use a budget to map out your path to financial success.

[Watch Unit 1 Video](#)



Your Weekly Budget

Here's a scenario to put your math *skillz* to the test.

You earn \$120 this week from your job at the trampoline park and your mom kindly gives you \$30 for working around the house.

You want to save at least 25% of your weekly earnings.

You also have a fixed expense of \$10 per week for an online gaming subscription.

Create a weekly budget that shows your expenses and savings.

And, if you didn't include meals for yourself, how does your budget change if you have to buy at least one of your meals each day for seven days?

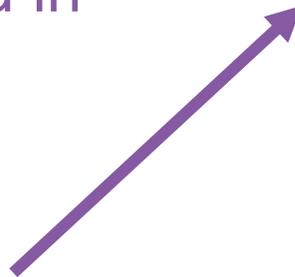




Field Trip Friday

Go on a virtual field trip to Arconic's Advanced Manufacturing hub in Alcoa, Tennessee and learn about the exciting ways robotics and digital technology impact the skills needed to succeed in Advanced Manufacturing.

Before you take your trip, write down or think about your responses to questions 1 and 2 from the activity sheet.



Applying your Knowledge/ Skills to Careers

Student Activity Sheet 2

Advances in technology are rapidly changing the field of manufacturing and creating exciting career opportunities for students. Leaders in advanced manufacturing are constantly seeking hardworking and highly skilled associates. Identifying your interests, skills, and attributes can help you identify which careers may fit best for you and help you to begin thinking about your "future self!"

1 What are some of the hobbies that you enjoy? What are some of your interests? List at least three

2 What are some of your skills? List at least three.

3 While watching the Arconic Virtual Field Trip, match some of your hobbies, interests, or skills with each of the careers featured in the film.

	Electrical Engineer	Business Improvement Manager	Lab Quality Systems Coordinator	Does this career connect to your talents or interests? Justify your response with evidence from your chart.
List two skills the employee mentioned as being critical to his/her job				
List any special training or education mentioned for this job				
List any of your talents or interests that relate to this job				

Manufacture Your Future

Let's visit go on a virtual field trip!

Manufacture Your Future Self

During your virtual field trip, think about question 3 from the student activity sheet.

Applying your Knowledge/ Skills to Careers

Student Activity Sheet 2

Advances in technology are rapidly changing the field of manufacturing and creating exciting career opportunities for students. Leaders in advanced manufacturing are constantly seeking hardworking and highly skilled associates. Identifying your interests, skills, and attributes can help you identify which careers may fit best for you and help you to begin thinking about your "future self!"

1 What are some of the hobbies that you enjoy? What are some of your interests? List at least three.

2 What are some of your skills? List at least three.

3 While watching the Arcosis Virtual Field Trip, match some of your hobbies, interests, or skills with each of the careers featured in the film.

	Electrical Engineer	Business Improvement Manager	Lab Quality Systems Coordinator	Does this career connect to your talents or interests? Justify your response with evidence from your chart.
List two skills the employee mentioned as being critical to his/her job				
List any special training or education mentioned for this job				
List any of your talents or interests that relate to this job				

Copyright © 2013 Discovery Education. All rights reserved. Discovery Education, Inc.



Full VFT



Chapter 1: Intro to Advanced Manufacturing



Chapter 2: Electrical Engineering

References

Minds-On Monday

TGR EDU: Explore

<https://tgreduexplore.org>

<https://tgreduexplore.org/curriculum>

Tundra Tuesday

Polar Bears International Bear Tracker

<https://polarbearsinternational.org/polar-bears/tracking/>

Article: <https://tinyurl.com/wh8m6kl>

Whelmers' Wednesday

3M Young Scientist Lab

<https://www.youngscientistlab.com>

Salt Engineering: <https://tinyurl.com/t463tqt>

ThurZday SkillZ Day

Pathway to Financial Success in Schools

<https://www.pathwayinschools.com>

<https://www.pathwayinschools.com/students/middle-school>

Field Trip Friday

Manufacture Your Future

<https://www.manufactureyourfuture.com>

VFT: <https://tinyurl.com/yyf9r8lk>

Weekend Challenge

Generation Beyond

<https://space.generationbeyondinschool.com>

Family activity: <https://tinyurl.com/rnjsx2r>