

STEM-AT-HOME BINGO CARD

Instructions & Resources

STEM stands for the subjects Science, Technology, Engineering and Math. Studying and working in STEM offers many opportunities so the BINGO card takes a different approach to the STEM acronym. Each column on the STEM BINGO card represents a different aspect of STEM: **S**ocialize, **T**ravel, **E**ntertain, **M**ake.

SCIENCE	TECHNOLOGY	ENGINEERING	MATH
Socialize Meet great people in STEM	Travel STEM takes you cool places	Entertain Find the fun in STEM	Make STEM needs your creativity

Each BINGO card focuses on a topic within the STEM subjects. The resources listed below include videos, activities and readings to help your child/student complete the BINGO card. The resources are divided by the column themes and some crossover occurs. Either have your student answer 4 boxes in a row, or try to complete as many boxes as possible.

ENVIRONMENTAL SCIENCE RESOURCES

Socialize

Alberta Parks Ranger Program

<https://youtu.be/IOILDwKxryk> (4 mins)

Adriana Bravo

<https://janegoodall.ca/our-stories/volunteer-spotlight-adriana-bravo/>

Scientist Chat: Dr. Lynda McCarthy

<https://youtu.be/qq2yQIZ4Plw> (1 hour)

Travel

Biomes of the World (20 mins)

<https://youtu.be/6X9fTPSbQ0U>

Wildlife Webcams

<https://www.africam.com/wildlife/live-african-wildlife-safari-channels/>

<https://www.calacademy.org/webcams/farallones>

Entertain

National Geographic Game: Krill Smackdown

<https://kids.nationalgeographic.com/games/action-and-adventure/krill-smackdown/>

National Geographic Quiz: Save the Earth

<https://kids.nationalgeographic.com/games/quizzes/earth-day-quiz-whiz/>

Roots & Shoots: 10 Inspiring Projects

<https://janegoodall.ca/our-stories/10-inspiring-projects/>

Make

Museum of Nature: Origami

<https://nature.ca/en/explore-nature/blog-videos-more/arctic-origami>

Earth Day: Design a Pollinator Garden

file:///C:/Users/L1205~1.PAU/AppData/Local/Temp/Earth-Day-Pollinator-Garden-Planning-Worksheet.pdf

OR access via:

<https://www.earthday.org/7-eco-friendly-actions-for-kids-during-the-pandemic/>

ANSWERS - Environmental Science

S	T	E	M
<p>Who took the firearms safety course at Alberta Parks?</p> <p>Erin Badgero</p>	<p>What kind of Biome does the Africam cameras show?</p> <p>Savannah (or grassland, depending on the camera)</p>	<p>When Krill swim in a group together it's called a _____</p> <p>Swarm</p>	<p>What Origami animal did you make?</p> <p>Open Answer (butterfly or Hare)</p>
<p>What did Adriana study as a graduate student?</p> <p>Bats</p>	<p>Where is the Farallon Islands webcam located?</p> <p>Near San Francisco, California</p>	<p>What level did you get to in Krill Smackdown?</p> <p>Open Answer (Weddell Sea, Cosmonauts Sea, Mawson Sea, Ross Sea)</p>	<p>What colours did you use to decorate your origami animal?</p> <p>Open Answer</p>
<p>Where does Anthony Eagles work?</p> <p>Alberta Parks</p>	<p>What's the tallest plant in the tundra?</p> <p>A shrub</p>	<p>How many correct answers did you get in the Save the Earth Quiz?</p> <p>Open Answer (out of 8)</p>	<p>Where do you want to put your pollinator garden?</p> <p>Open Answer</p>
<p>What lakes do Dr. McCarthy study?</p> <p>The Great Lakes (Ontario, Erie, St. Clair, Huron, Michigan, Superior)</p>	<p>On the (Africam) Tembe Live Stream name one sound you hear during the day and one during the night.</p> <p>Open Answer (birds during the day; insects at night)</p>	<p>What is your favourite Roots & Shoots project?</p> <p>Open Answer</p>	<p>What flower(s) are you planning to use in your pollinator garden?</p> <p>Open Answer</p>

EXTRA RESOURCES

Tree Bee: Identify a Tree

<https://treebee.ca/identify-a-tree/>