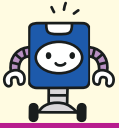


SKILL SUPERCHARGERS

STEM Activity Cards



Student Groupings



Individuals

Promote independent curiosity and problem-solving



Partners or Small Groups

Promote active collaboration and spark conversations as students work to improve their understanding of each skill



Whole Class

Review or introduce skill as a whole group using a document camera



FRONT

Step-by-step directions

Student-friendly language to encourage independent hands-on exploration without one-on-one adult support. Note the magnifying glass to turn the card over for a hint!



Skill

Math skill or ELA skill that is the focus of the activity.

Station of STEM®

The Stations of STEM - a TechTerra trademarked concept - refers to a system for understanding and organizing learning centers for the purpose of exploring the world of STEM and STEAM.



Circuitry



Connected Learning



Robotics



Engineering Design



Augmented Reality



Coding



Digital Storytelling



Drones & Flight (grades 3-8)

Materials list

Materials and STEM tools needed to complete the card (standard classroom supplies)

Brain Activate

An extension to supercharge learning to the next level and for continued practice.

Perimeter

Robot Steps

- Perimeter measures the distance around the outside of a shape. Today, you will use your robot as a measuring tool to find the perimeter of a shape.
- Use tape to create a shape path, with straight sides, for your robot to follow.
- With your robotics tools, code your robot to travel along the perimeter of your shape.
- Record the length of each side of your shape in robot steps.
- Calculate the perimeter. *Hint on Back!*
- Save your Recording Sheet and a video of your robot in action.

Materials

- Robotics tools
- Student device
- Recording Sheet

BRAIN ⚡ ACTIVATE!

Time for a robotic floor show! Create a new design on the ground and let your robot strut its stuff as it measures in robot steps.

STEM Portfolio

The evaluative product placed in the STEM portfolio to show learning, understanding, and mastery.

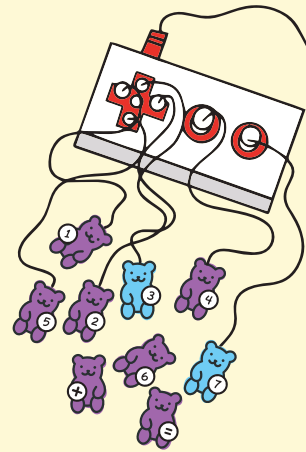
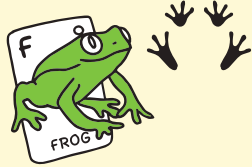
Explore concepts using hands-on STEM tools in each area. Use your own tools or those purchased from our Hiwayz Tool Bundles and Complete Packages.

For classrooms with limited hands-on tools, most activities can be completed using common classroom materials.

Hiwayz®

SKILL SUPERCHARGERS


STEM Activity Cards





BACK


Homophones and Homographs

Homophones are words that are the same but are spelled differently and have different meanings.

 break

 cell

 pair

 pear

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Perimeter

Perimeter measures the distance around the shape. Find the length of each side and add them together to find the perimeter.

5 steps

4 steps

4 steps

5 steps

Perimeter:
 $5 + 4 + 5 + 4 = 18$ steps

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Hint

A hint or example to help provide teaching support. These hints and examples can extend thinking for students and also help a student get unstuck.

