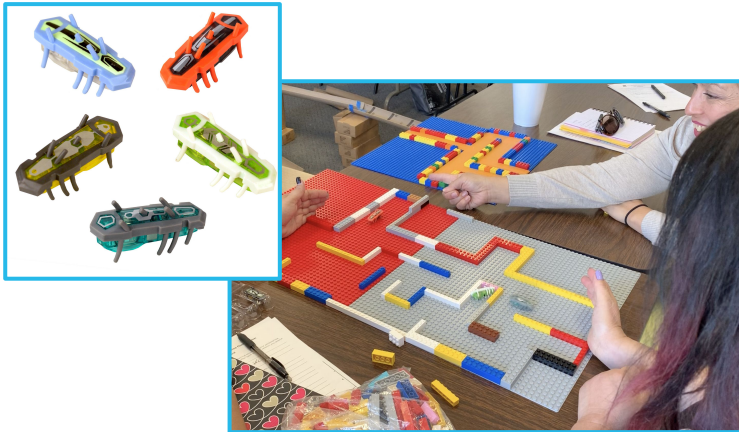


MAKE WAY FOR HEXBUGS!

GRADE K-3



MATERIALS

- Hexbugs - Available at [Amazon](https://www.amazon.com), Walmart, and other retail sellers
- Containment area - shoe box, tray, large sheet of cardboard or LEGO plate
- Materials to interact with hexbug - LEGOs, paper towel roll, blocks, etc.



OBSERVE

Allow children to see how Hexbugs move on table, tray, hand, etc.



CREATE

Using various objects allow children to investigate how the material can influence the Hexbug's movement.



PLAY

After viewing an example of a path, encourage the children to create their own pathways for the hexbugs.

KEY CONCEPTS

- **Science - Cause & Effect**
Children observe how the various objects influence the bug's movements.
- **Technology - Robotics**
Children create mazes to "program" the bugs to move in a desired direction.

QUESTIONS TO ASK

- What does it feel like when you hold or touch the Hexbug?
- How is the Hexbug moving if it doesn't have wheels? Do the legs move?
- What happens when the Hexbug hits a wall or an object?
- How can you get the Hexbug to go from a starting point to a finish point?

THINGS TO NOTICE

- Children's laughter and excitement. This is what learning should be like.
- Children's curiosities and the goals they make for themselves.
- How long a child is engaged with this activity.
- How the child is adapting and learning how to influence the Hexbug's movements.