

Learning Resources

Code & Go Robot Mouse Activity Set



Amazon.com description:

- Introduce children to the fun of coding and puzzle solving with this colorful, programmable mouse with maze! A great way to introduce young children to science, technology, engineering, and math
- Program the mouse with easy push-button controls to follow your created maze and find the cheese
- Mouse lights up and sounds and also features two speeds are perfect for tabletop or floor play
- Part of the STEM line of activity sets that help students experience STEM through hands-on activities and experiments while challenging them to think critically, solve problems effectively, and acquire the skills needed to enter STEM-related fields
- Ideal for ages 5+

Think Fun

Robot Turtles Game

Amazon.com description:

- Cardboard, Cardstock
- Made in USA or Imported
- Robot Turtles is the most-backed board game in Kickstarter history
- It sneakily teaches programming fundamentals to kids ages 4 and up
- Inspired by the Logo programming language, the game lets kids write programs with playing cards
- For 2-5 players
- Invented by Dan Shapiro and seen on NPR, Bloomberg, Make: Magazine, Boing boing, TechCrunch, Reddit, Geekmom, Geekdad and more



Thank you to the Maryland Center for Women In Computing for hosting today's workshop. Eager to explore more? Here are coding and STEM resources MCWIC has used and recommends.



Code Academy:

<https://www.codecademy.com/>

Khan Academy:

<https://www.khanacademy.org/computing/computer-programming>

Scratch:

<https://scratch.mit.edu/>

<https://scratch.mit.edu/studios/1817151/>

GIMP: <https://www.gimp.org/tutorials/>

KomodoEdit: <http://komodoide.com/komodo-edit/>

Lego NXT: <http://www.lego.com/en-us/mindstorms/learn-to-program>

<http://www.nxtprograms.com/>

<http://www.stemcentric.com/nxt-tutorial/>

CSC Curriculum in a Box: <http://csinabox.cs.umd.edu/>

CodeHS: <https://codehs.com/>

CS Unplugged: <http://csunplugged.org/>

National Initiative for Cyber Resources:

<https://niccs.us-cert.gov/education/curriculum-resources>

Maker Day—Saturday, May 6

Girl Scouts like making things they're excited about—whether it's a craft, a piece of furniture, a robot, or a computer program. Start thinking about how your troop can participate in our Council's third annual Maker Day! Troops can show off their creative skills as an exhibitor or get inspired by viewing other girls' projects. If your troop pursues building a robot, we'd like to have you take part in our first robotic competition and showcase at Maker Day!



Visit www.gscnc.org and search "Maker Day" for the most updated info!