

STEM KITS • Ages 11+

STEM Kits are checked out and returned at the Children's Desk.

Limit one kit per card. Seven day checkout.

How do I use a Kit?

Each kit comes with instructions and activities suitable for its target age group. You can learn alongside your child or peek ahead to help!

What if I lose a STEM Kit or break an item?

Patrons are responsible for any missing or broken items in the kit. The charge for missing items varies per kit and is included on the kit label. For more information call 214.509.4906.

How do I return a STEM Kit?

You must bring the STEM Kit to the Children's Desk during open hours. Kits **may not** be returned through Curbside Pickup or through the book drop. A fine of \$1/day will be applied for an overdue kit.



STEM KIT: Cue



Ages 11 and up

This kit includes:

Cue Robot

Blaster

6 Foam Darts

2 Brick Connectors

6 Cards

3 Project Cards

3 Target Cards with Stands

USB Cable

Blaster Power Guide (2 pages)

Printed Materials (4 pages)

3 AAA Batteries

About This Kit

Code Cue to sing, dance, move and launch foam darts. Explore multiple programming languages, such as block-based coding and JavaScript. A phone or tablet is required to operate.

Total replacement cost - \$259.97

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STEM KIT: Happy Atoms

Ages 11 and up

This kit includes:



- **8 Hydrogen Atoms**
- **3 Carbon Atoms**
- **2 Oxygen Atoms**
- **2 Nitrogen Atoms**
- **1 Chlorine Atom**
- **1 Sodium Atom**
- **1 Periodic Table**
- **Quickstart Guide**
- **Atoms and Molecules Book**
- **The Kid's Book of the Elements**

About This Kit

Create molecules from plastic atom models that connect easily using magnets. Discover the identities of the molecules you build by scanning them with the app. Explore the molecules you discover, assemble collections of them, and complete guided chemistry tasks in the educational app.

Total replacement cost - \$113.98

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STEM KIT: Merge Cube & AR/VR Headset

Ages 11 and up

This kit includes:

- Merge Cube (in plastic case)
- Mobile Device Stand
- Merge AR/VR Headset
- Getting Started Guide (5 pages)
- Printed Materials (3 pages)



About This Kit

Named as best Virtual Reality headset for kids and tweens and winner of the Academic's Choice Award. The Merge Cube is the only product that lets you hold digital 3D objects (holograms), enabling an entirely new and powerful way to learn Science and STEM.

Total replacement cost - \$79.97

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STEM KIT: Metal Detector

Ages 12 and up

This kit includes:

Metal Detector (3 parts)

- **Arm Support, Strap, Fixing Screw**
- **Control Box and Fixing Screw**
- **Search Coil and Two Knobs**

Bag with Removable Strap

Headphones

Shovel and Mesh Bag

**Metal Detector User Manual
(5 pages)**

Printed Materials (9 pages)

Tag (for bag)

2 - 9V Batteries



About This Kit

If you're looking for a fun and unique way to get outside and explore, then you need to try metal detecting! The adjustable OMMO Metal Detector will detect metallic objects in the ground and can discriminate the metal type by emitting a high or low tone.

Total replacement cost - \$142.99

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STEM KIT: Microscope 11+

Ages 11 and up

This kit includes:

- Microscope with Black Cap**
- 20 Prepared Slides & 5 Blank Slides**
- 1 - 2X Eyepiece**
- 1 - 10X Eyepiece**
- 1 - 25X Eyepiece**
- Tweezers, Pipette, Petri Dish (2 pieces)**
- 1 Cleaning Cloth**
- 5 Coverslips**
- Microscope Learning Guide**
- Power Supply Cable in Box**
- 3 AA Batteries**



Choking hazard: this kit contains small parts. Not for children under 3 years old.

About This Kit

Learn about microscopes, proper slide preparation, biology and more. This microscope features high-quality optics and powerful dual LED lights that illuminate slides from below and 3D objects from above. Examine 20 professionally prepared slides that include specimens.

Total replacement cost - \$109.98

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