

Tech Toys for Educational Use

[DAQRI](#) – Free for paper blocks

Augmented reality wood-blocks come alive with chemistry app. Learn the products of chemical reactions by [connecting blocks](#).



[Tiny Circuits](#) – 20 piece kit @ \$500

Akron-based Tiny Circuits' chip kits for assembling snap-together circuitry. Teens can learn to build their own devices, including a watch, a compass or a miniature video game, and learn to [identify chipsets](#).

[Sphero](#) - \$129 each

Spherical robot ball is controlled by an app for tablet or phone. [Educational support](#) includes apps that can program Sphero using multiple programming languages, including Blockly, C, Tynker and BASIC.



[Polaroid Cube](#) - \$99

Tiny, six mega-pixel camera connects wirelessly to tablets using the "Polaroid+" app. Saves to micro-SD Cards. Use the cube to take still photos or 1080px at 30-fps video. 1-hr rechargeable battery, micro-USB port.



Dash and Dot Wonder Pack: \$280

The Wonder Pack robot kit includes the Dash Robot, the Dot Robot, and the Building Brick Connector pack, Accessories Pack, and Xylophone. Parts can also be purchased separately.



Wonder Pack works with the [Blockly programming](#) language and [Wonder apps](#). Lesson plans available.



Osmo - \$100 Full Kit (*Reflector, Word Tiles, Tangrams, Numbers & All Apps*)

Interactive system for iPad uses mirror + iPad camera to input drawings and shapes. [Educational uses](#) include teaching letters and numbers.

Chromecast - \$35

Share photos, audio and video from your phone or tablet to a TV Monitor, wirelessly. [Multiplayer apps](#) offer educational and gaming for up to six users.



Lego Mindstorms Robotics Kit - \$349

Download the programming language, build a robot and program it from your smart device; this product requires assembly that can take a long time. Assembled robot is a [teaching tool](#) for robotics and computational thinking.



Virtual Reality Gear

[Cardboard VR](#) – \$4 to \$20 each

Google's fold-your-own Virtual Reality goggles.

More than 20 VR apps are available for Android.

Phone sold separately!



Microsoft [Oculus Rift](#) / Samsung [Gear VR](#) – Samsung \$100

Virtual Reality goggles from Microsoft licensed by Samsung.

Applications and games available for Gear– more in development.

IN DEVELOPMENT:

[GoogleGlass 2](#) – \$1,300

Prototype augmented reality glasses, iteration 2



[HoloLens](#) – No price yet, release date in 2016

Microsoft's "holographic" Virtual Reality system; currently being tested.

[DAQRI Smart Helmet](#) – No price yet, in [industrial testing](#)

Heads-up style augmented reality helmet; prototype for industrial use.

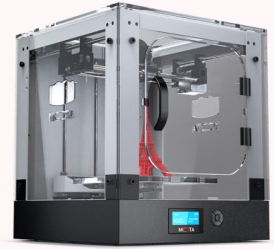
Augmented intelligence display educates user; covers 360-degree range.



3-D Printing

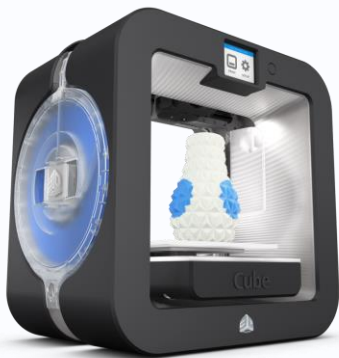
[MOTA 3-D Printer](#) - \$600

Entry-level 3-D printer, prints up to 9" tall, single color. Requires computer connection.



[Cube 3D Ekocycle Edition](#) - \$1200

Home-friendly 3-D printer, prints up to 6" tall, dual color, uses recycled plastic. Requires computer for software.



[Cube Pro Duo](#) - \$3200

Business-friendly 3-D printer, prints up to 9" tall in two colors; includes 2-color STARTER plastic pack. Requires computer to run software.

Maker-Bot 3-D Printing Essentials Kit - \$3800

Use [mobile apps](#) to design and print 3-D objects. Access the Thingiverse object library, design with Tinkerplay app, and print from your phone or tablet, w/ starter pack plastic.

