

# Mixed Technology Kit

## WHAT'S IN THE KIT?



**Spheros:** The **Sphero** is a transparent orb wrapped in polycarbonate, capable of rolling around, and controlled by a smartphone or tablet.



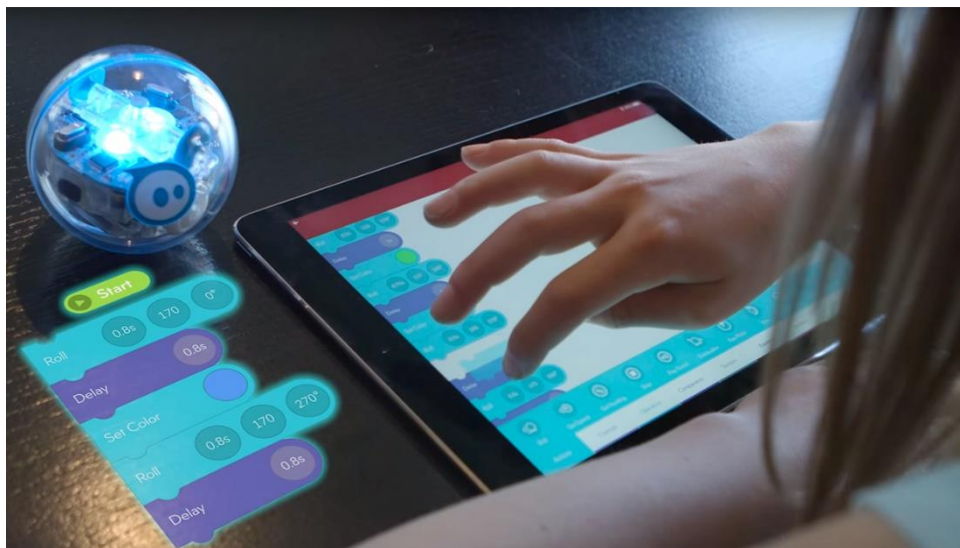
**Interesting trivia:** The **SPRK**



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model in this kit (stands for "Students, Parents, Robots and Kids,") is a robotic ball which takes the mechanisms used to control toys such as the **BB-8 droid** from the **2015** film ***Star Wars: The Force Awakens***

and uses them as a way to teach children the basics of coding.



**Ozobots:** An Ozobots is a golfball sized robot that follows and reacts to colour lines that have been drawn on paper, teaching students simple coding.



Students simply draw lines for the robot to follow and add blocked colour codes of **red, blue and green** combinations that tell the **Ozobot** to do such things as *spin, go backwards, zigzag, slow down, turn left, etc.* Students can create race tracks, mazes, story lines, adventures and more.



**Cubelets:** **Cubelets** are magnetic blocks that can be snapped together to make an endless variety of robots with no programming and no wires. Students can build robots that drive around on a tabletop, respond to light, sound, and temperature, and have surprisingly lifelike behavior.

These robot blocks come pre-programmed and ready to go right out of the box. ***Just snap them together and go!*** Different robotic behavior will emerge depending on the combination of **Cubelets** that you use. Create thousands of different kinds of tiny robots just by switching up your **Cubelets** robot blocks.

There's no wrong way to build with **Cubelets**, so it is remarkably easy to transform these blocks into brilliant bundles of robotic curiosity.





**Dash and Dot:** Dash is a real robot, charged and ready to play out of the box. Responding to voice, navigating objects, dancing, and singing, Dash is the robot you always dreamed of having. Use Wonder, Blockly, and other apps to create new behaviors for Dash — doing more with robotics than ever possible. No books or camps needed! Dash and Dot will introduce your students to coding and computational thinking. These unique robots learn with the students and have a variety of functions and uses.

