Sphero

Apps & Websites that can be used: (For more info please visit http://lcps.org/Page/167687)

Sphero - This is the generic Sphero app. This controls Sphero with a remote control/joystick type of setting. It also has a tilt-and-drive option. Use this app to initially sync Spheros before use in other apps. This is the easiest for school use – control the speed, direction, and color of the Sphero.

Sphero Drive N' Draw - This app allows users to draw the path of the Sphero. Choose the color of the path and doodle away! Then push play and watch your Sphero draw the shape you made. *Remember to keep shapes connected – disconnected shapes cannot be completed by the Sphero!

Tickle - This app allows for Sphero's actions to be coded. Great for beginning and intermediate coders – use block coding to drag and drop Sphero's next moves!

Sphero Macro Lab -This app allows advanced coding users to code the Sphero using macro coding techniques. Control much more of Sphero's motions, colors, and lights once you have basic block coding under your belt!

Sprk Lightning Lab - This app allows Sphero uses to code the Sphero's actions using block coding. This is great for beginning and intermediate users.

Sphero Chromo - This app is a fun game for users to match the color of the iPad to the color on the Sphero. This would be fun for students learning their colors or working on hand-eye coordination.

Sphero ColorGrab - This app is a fun game for multiple users to identify colors. When the iPad shows a certain color you need to be quick to grab the Sphero when the matching color flashes!
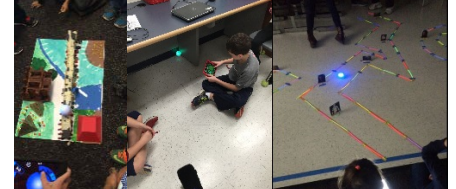
Sphero Cam - This app allows the Sphero driver to record and drive the Sphero simultaneously. Students can follow the Sphero's route and then watch the video of it later!

Images retrieved from iTunes App Store

	SOL (VA)	Common Core	Project Idea	Sphero App	Examples at Liberty
K	LA: K.7, 12 OLang: K.2 Math: K.3&4 OLang: K.3a	CCSS.ELA.RF.K.3C CCSS.MP.K.MD.3 CCSS.MATH.K.G.A.1 CCSS.MP.1 & NBT.1	Scavenger Hunt - sight words Color identification Directions/Ordinal Numbers Coding	Sphero Sphero Chromo/Color Grab Sphero Tickle	
1st	LA:1.5C Math: 1.20 Math: 1.6 Math: 1.16 Math: 1.15	CCSS.ELALITERACY.L.1.6 CCSS.MATH.1.G.A.1 CCSS.MATH.1.G.A.3 CCSS.MATH.1.G.A.2 CCSS.MATH.MP.1.CK.2 CCSS.MP.1 & NBT.1	Scavenger Hunt - Vocab words Color investigation Fractions Shapes Map Skills & Directions Coding	Sphero Sphero Chromo/Color Grab Drive N' Draw Drive N' Draw Sphero Tickle	
2nd	SS: 2.4, 5 SS: 2.5 LA: 2.8 e&h	CCSS.SS.1.2 & SS.4.1&2 CCSS.SS.2.1 CCSS.ELALITERACY.RL2.4 CCSS.NBT.1	Investigating Ancient Cultures Map Skills Retelling Stories Coding	Sphero Sphero Sphero Tickle / SPRK Lightning Lab	
3rd	Sci: 3.6 Sci: 3.5	CCSS.SCI.3.3.7 CCSS.SCI.3.2 CCSS.W.2 & WHST.2 &NBT.1	Communities & Populations Creating Food Chains & Webs Coding	Sphero Sphero Tickle / SPRK Lightning Lab	
4th	Sci: 4.2 Sci: 4.2 Sci: 4.1 SS: 4.3	CCSS.SCI.4.2.7&8 CCSS.SCI.4.2.8 CCSS.SCI.4.2.3.1 CCSS.4.OA.5 & NBT.1	Force & Motion Friction & Drag Scientific Investigation Journey from England to Jamestown Coding	Sphero Sphero/Tickle/SPRK Lightning Lab Sphero Sphero/Tickle/Macrolab/SPRK Lighting Lab Tickle/Macrolab/SPRK Lightning Lab	
5th	SS 5.11.3 Sci: 5.1 Sci: 5.1	CCSS.SS.6.2.1 CCSS.SCI.5.3.A CCSS.SCI.5.1.1 CCSS.5.G.1 & 5.G.2 &NBT.1	Navigating Regions of the US Scientific Investigation Making & Testing Hypothesis Building Bridges/Structures Coding	Sphero/Tickle/SPRK Lightning Lab Sphero Sphero/Tickle Sphero Sphero/Tickle/Macrolab/SPRK Lightning Lab	

Social Studies & Science Common Core
Standards aligned with Colorado Standards