

<p>Unit 6 Week 2</p>	<p>Let's Find Out About It: Community and Desert Gardens</p> <p>Higher Level Technology Supplement</p>	<p>ISTE-S 3, 4, 5</p>	<p>Standards: ATL.IC.PS.3-4 ELA.SL.CC.PS.1-3 ELA.SL.PKI.PS.1 ELSA.LS.VAU.PS.1 S.LS.PS.1-2 S.LS.PS.6</p>
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Technology Concepts

- Children are moving towards developing ideas and theories about how to complete a challenge and then pursuing answers and solutions by trying various programming strategies
- Children exhibit perseverance as they work to complete each challenge
- Process of identifying sequence of steps that will complete a challenge

<p>Materials:</p> <ul style="list-style-type: none"> ● Tablet/smart phone ● Sphero Mini edu app loaded onto digital device ● Sphero Mini synched to digital device 	<p>Vocabulary:</p> <ul style="list-style-type: none"> ● Use vocabulary from original lesson ● Pathway ● Coding ● Debug (when something doesn't work as planned or expected)
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Preparation:

[Sphero Mini](#)

This video explains setting up the Sphero Mini and provides a quick tutorial on how to use the Sphero Mini

Any Sphero can be used in the activities. The Sphero Mini was selected for the technology lessons based on affordability.

Teacher needs to be familiar with Sphero ball and app

Sphero moves back, forward, right, left and rotates 360 degrees. Paper squares with direction arrows can be used to visually assist children in determining Sphero path.

Procedure:

Children and teacher will plot out a Community or Desert garden path. This can first be done by placing paper squares on the floor (previous squares from previous computational thinking/spheros activity can be used) to create path, then have spheros follow garden path. Once spheros is successful on path, place garden pictures along path to create more beautiful visuals.