

<p>Unit 3 Week 4</p>	<p>Let's Find Out About It: Winter Activities</p> <p>Higher Level Technology Supplement</p>	<p>ISTE-S 5c, d</p>	<p>Standards: SED.SD.BRC.PS.1 ELA.RL.KID.PS.1 - 3 ELA.RL.CS.PS.1 ELA.RL.CS.PS.2 ELA.RL.LTC.PS.1 S.ES.PS.1, 3, 6, 7</p>
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***Technology Concepts***

- Debugging - finding and fixing errors
- Break problems into component parts
- Algorithmic thinking - develop sequence of steps to create solution

<p><b><i>Materials:</i></b></p> <ul style="list-style-type: none"> <li>● Sphero Mini</li> <li>● Tablet or Smartphone with Sphero Mini.edu app open</li> </ul>	<p><b><i>Vocabulary:</i></b></p> <ul style="list-style-type: none"> <li>● Use vocabulary from original lesson</li> <li>● Debugging</li> <li>● Algorithm - sequence of steps</li> </ul>
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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.*

Digital device (tablet or smartphone) within easy access

Talk about sledding and skiing tracks using *Snowy Day* as prompt

***Procedure:***

Children design pattern using up/down/left/right arrows to make sled/skiing track on paper first

Once pattern is created on paper, replicate on sphero app

If track does not follow design, avoid urge to fix problem - all children to reason out course of action through discussion of pattern