



Hello parents and caretakers,

This is a quick guide to get you started with your Sphero Mini. A few things to remember about coding and robotics, start with a curious mindset of play. When children play they are relaxed and engaged, a perfect balance for solving problems. With that in mind start by playing with your robot, go one step at a time and eventually you and your child will be developing computational thinking skills.

If you are interacting with the Sphero at home, you will need a device (Mac, PC, Chromebook, iPhone, Android phone, iPad, tablet) that can run the software . You can download the app with this link: [Sphero Edu App](#)

The rest of this one page document will give you a few basic vocabulary words or robot jargon, a few sample videos to get you started with brief descriptions and some extra resources if you want to dive a little deeper.

Robot Jargon:

Algorithm: a simple set of instructions that guide or tell a robot or “smart” device what to do, this is a [great one minute video](#) that explains an algorithm

Bug: a problem in the code causing the program/robot to not function properly

Code: the language used to build a program (sphero app will use block based code)

Debugging: to detect and remove defects or errors from.

Sample Videos:

[What is an algorithm?](#) (One minute animation explaining an algorithm)

[Code your parent](#) (sample video demonstrating how robots act on literal instructions, in this video the parent is acting as the robot) You can try this challenge with your child, have fun!

[Quick Start Video](#) (shows how to create a simple one step/block program)

[Aiming](#) (shows how to aim your robot so it moves as intended)

Extra Resources:

[Challenge Cards](#)

[Printable protractor](#)

[Sample Maze Challenge](#)

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