



# Obstacle Drawing Course

SLQ Wiki Fabrication Lab 2024/04/24 22:59

# Obstacle Drawing Course

Activity developed by [Western Downs Libraries](#)

## Details

<b>Age group</b>	Year 3 to Year 7 (ages 8 to 12)
<b>Method</b>	Individually
<b>Participant to facilitator ratio</b>	8:1
<b>Duration</b>	50 mins

## Aim/Key Learning

Drive a Sphero along an obstacle course in one go.

- Develop critical thinking and problem solving skills
- Prediction skills

## Preparation and Materials Required

- Sphero and iPad (with the Sphero Drive app installed) per individual
- Ensure that each Sphero is paired to an iPad and charged
- Floor space of at least 4m x 4m
- Obstacles such as witches hats
- Materials to build ramps and walls such as cardboard and masking tape

## Activity Steps

### 1. Setup

**Time:** 5-20 mins

If this step is to be done as a group, perform it after the **Introduction** step

Design the obstacle course either yourself or as a group as part of the activity. The time allocated will be dependant on the size of the course and if materials need to be constructed.

## 2. Introduction

**Time:** 10 mins

Introduce yourself, participants introduce themselves, cover any housekeeping. Cover basic group rules such as working together, being respectful and taking turns. Explain the aim of the workshop (*'Today we are attempting to control a Sphero using the Sphero Drive app on the iPad to navigate through the obstacle course, in one go!'*).

Show the participants how to drive the Sphero and face the Sphero the right way.

## 3. Practice

**Time:** 10 mins

Distribute the Spheros and iPads and have the participants take turns in driving the Sphero around the obstacle course.

## 4. Go!

**Time:** 20 mins

Ask participants to place their Spheros at their feet and attempt to complete the obstacle course in one draw.

Explain that if they fail, they are to go and pick up the Sphero and try again.

## 5. Evaluation and Closing

**Time:** 5 mins

At the end of the session, ask for volunteers to share their learnings or how they found the session. Thank everyone for their participation and team work.

## Loanable Kits

State Library has kits of this item available for loan to libraries within the Regional Libraries Queensland and Indigenous Knowledge Centres network. Libraries can place a reservation through the Aurora catalogue (availability is subject to existing reservations, loans and associated return dates).

The kits are for use by patrons within the library only, as part of supervised library programming. They will not be listed in the public online catalogue for personal reservation.

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