Tube Soccer

SLQ Wiki Fabrication Lab 2024/03/29 02:42

Tube Soccer

Activity developed by Western Downs Libraries

Details

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

Aim/Key Learning

Drive a group of Spheros as a team to push a tube into the goals.

- Develop critical thinking and problem solving skills
- Prediction skills

Preparation and Materials Required

- Sphero and iPad (with the Sphero Drive app installed) per individual or group
- Ensure that each Sphero is paired to an iPad and charged
- Floor space of at least 4m x 4m
- 4 witches hats as goals
- PVC or Mailing tube

Activity Steps

1. Setup

Time: 5 mins
Setup the field with 2 goals at each and and the tube in the middle of the field.

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 playing soccer with Spheros and a tube instead of a soccer ball. We will be controlling the Spheros using the Sphero Drive app on the iPads.*').

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 and outside the field. If you are short of space within your library, use the field without the tube or goals.

4. Play

Time: 20 mins
Ask participants to place their Spheros on the field within their half.

The game now begins. After each goal, reset the field and go 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

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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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