

# SPHERO ROBOT MINI GOLF!

WHO CAN DESIGN THE BEST  
COURSE?  
ONE SHOT, ONE OPPORTUNITY



10AM - 12PM & 2PM - 4PM  
WED 7TH APRIL - SAT 17TH APRIL  
GOONDIWINDI LIBRARY

Goondiwindi  
REGIONAL  
COUNCIL



# Goondiwindi Regional Council – Sphero Mini Golf Coding Challenge

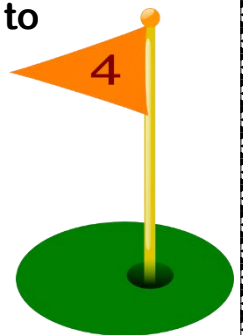
(Altered from eduSphero <https://edu.sphero.com/cwists/preview/12702x>)

Name/Team Name.....

iPad Number .....

**Challenge:** Design a Sphero Putt Putt Golf Course Obstacle Course to compete against your friend/s using the materials offered. You will need to consider the following steps when designing the course. (Children under 10 years of age **MUST** be accompanied by an adult)

1. Work out how many holes you/your team is going to play keeping in mind how long you have booked the Spheros and golfing area.
2. Divide the number of holes by the number of teams to work out how many holes each team is required to design.
3. Research Mini Golf course design on the internet or scan QR code to see examples.
4. Discuss what elements/materials you will use to create your hole designs.
5. Design the hole on the worksheet. Ensure each hole is different to the others in some way.
6. Discuss the rules of the course. Eg. Where tee off is? If a team misses the hole or crashes into objects, do they have to start at the beginning again?
7. Design a scoring card or use the one provided.  
Eg. You may score similarly like golf or you could decide to count the number of times it takes a team to get their Sphero into each hole. Add these up at the end of game and the person/team with the lowest number wins as it took them least number of attempts to get it in the hole.
8. Construct the hole using the materials provided.
9. Let the game begin! Have fun.



## Gentle Reminders:

- \***Children under 10 years of age must be accompanied by an adult.**
- \***Remember to treat the Sphero and iPads kindly and respect. No kicking, throwing, or smashing Sphero or iPads. Any damage to property may be asked to be replaced at user's cost.**
- \***Keep in mind other members of the public are using this space so Spheros must stay in golfing area. This means the Sphero should not go into the book areas, Cinema or Art Space.**
- \***We want you to enjoy the game but try to keep the noise at a reasonable level please out of respect to other community members.**
- \***This is meant to be a fun so make sure you have clearly worked out the rules so everybody is on the same page and can play the game fairly.**
- \***If these rules are not followed, you may be asked to pack up the activity. ☹️**



## **Getting Started:**

- 1. Book a time with your friends and the library to have your round of Sphero Golf. (Children under 10 years of age MUST be accompanied by adult).**
- 2. Sign into the library's Covid register using the Qld QR code.**
- 3. Read the rules of using the equipment.**
- 4. Collect the number of Spheros, iPads and equipment required from the library desk.**
- 5. Connect to Library WiFi.**
- 6. If new to coding a Sphero, use the QR codes for how to program a Sphero.**
- 7. Follow the steps on Sphero Mini Golf Coding Challenge.**

## **When Finished:**

- 1. Pack up equipment including items used for obstacles in your golf course and put carefully away where they belong. Use checklist provided to ensure all equipment is accounted for.**
- 2. Return iPad and Sphero to library desk to be sterilized and recharged for the next group.**
- 3. Ensure the space is left as clean and tidy as you found it.**

**We hope you enjoyed your round of Sphero Golf and will see you back here soon!**

# Mini-Golf Hole Designs

Total Number of Holes:.....

Hole Elements and Materials:

What are the Spheros going to have to get around? What are you going to use to make the different obstacles and what path do they have to take around the obstacles? Use QR code to see some more examples.

For example: Cross for start and finish (masking tape), lake (blue paper), tunnel (pipe), hole (cup), trees (pipes/cardboard), ramp (geomags and books), arch (geomags), zig zag wall (lego), animal farm (lego and animals), boulders (scrunched up newspaper), hill (cone), grid (straws), spoons, cotton balls etc.



*(Par means the number of attempts it should take for the particular hole.)*

Hole No:.....

Par:.....

Elements:.....

.....  
.....

Hole No:.....

Par:.....

Elements:.....

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.....

Hole No:.....

Par:.....

Elements:.....

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.....

**Hole No:.....**

**Par:.....**

**Elements:.....**

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**Hole No:.....**

**Par:.....**

**Elements:.....**

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**Hole No:.....**

**Par:.....**

**Elements:.....**

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**Elements:.....**

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**Hole No:.....**

**Par:.....**

**Elements:.....**

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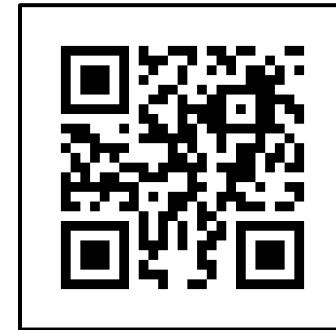


# Sphero Mini-Golf Scoring Card

Group Name:.....

Hole	Strokes	Penalty Strokes	Score
<b>Front 9</b>			
Number 1			
Number 2			
Number 3			
Number 4			
Number 5			
Number 6			
Number 7			
Number 8			
Number 9			
		<b>Subtotal</b>	
<b>Back 9</b>			
Number 10			
Number 11			
Number 12			
Number 13			
Number 14			
Number 15			
Number 16			
Number 17			
Number 18			
		<b>Subtotal</b>	
		<b>Final Total</b>	

# Sphero Mini-Golf Hole Examples



Scan the QR code above to see these examples of Sphero Golf Courses in action.



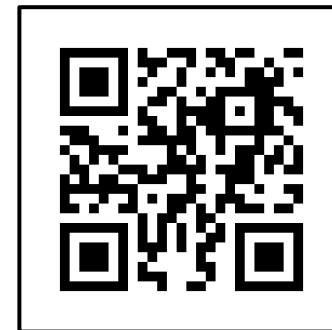
## QR Codes to Assist



Scan the QR code above to learn how to operate, code and perform different tasks with the Sphero.



Scan the QR code above to watch a clip on how to operate, code and perform different tasks with the Sphero.



Scan the QR code above to see these examples of Sphero Golf Courses in action.

