

# Design and Make an Indoor Golf Course



## Science:

The Design and Make process of the Primary Science Curriculum can be used to teach science content and skills. For example, the design and make of an indoor crazy golf course could focus on content areas such as **energy and forces**, **materials** as well as using the **Design and Make** process (Task card for indoor golf on Scoilnet learning path).

An activity such as this could also be used to integrate maths content and skills through science. The maths focus of this activity is **Data (Representing & Interpreting data)** and **Algebra (Directed Numbers)**.

## Maths

### Data (Representing and Interpreting Data):

- collect, organise and represent data using pictograms, single and multiple bar charts and simple pie charts (5<sup>th</sup>) and trend graphs (6<sup>th</sup>)
- read and interpret pictograms, single and multiple bar charts, and pie charts (5<sup>th</sup>) and trend graphs (6<sup>th</sup>)
- explore and calculate averages of simple data sets

### Algebra (Directed Numbers):

- identify positive and negative numbers in context (5<sup>th</sup>) and on the number line (6<sup>th</sup>)
- add simple positive and negative numbers on the number line (6<sup>th</sup>)

## The Task:

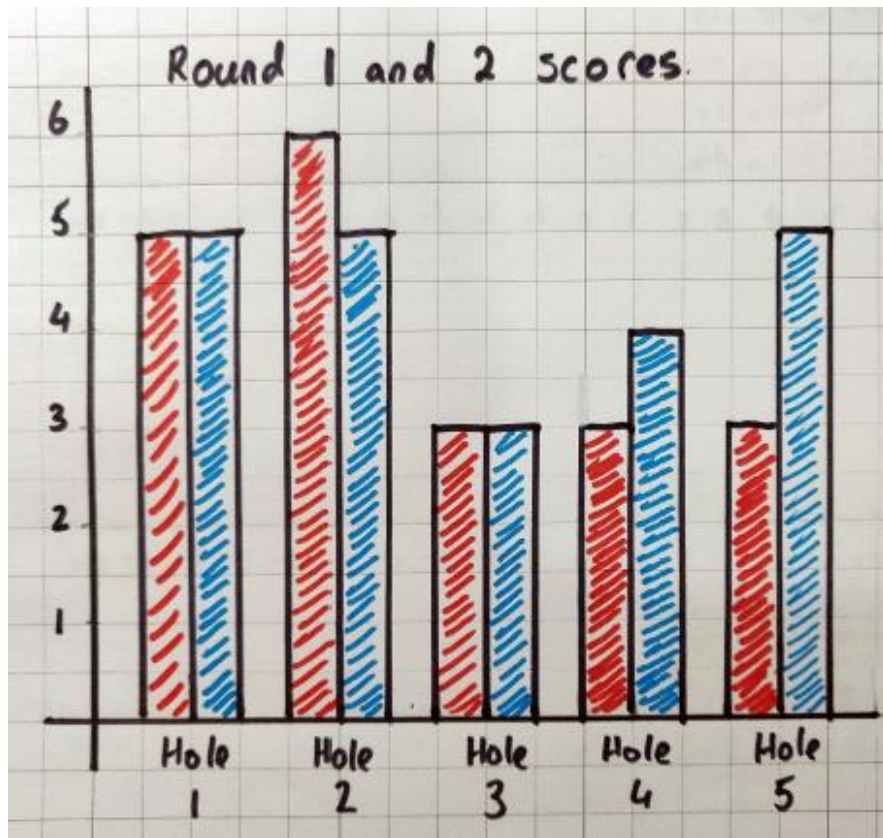
Pupils do not need to know the intricate rules of golf but a basic explanation of getting the ball to the target in the least amount of shots with a club is the aim of the game.

Winning the game is achieved by accumulating the least amount of shots under par (the suggested amount of shots per hole). A negative score in golf is a good thing while a positive score is not so good!

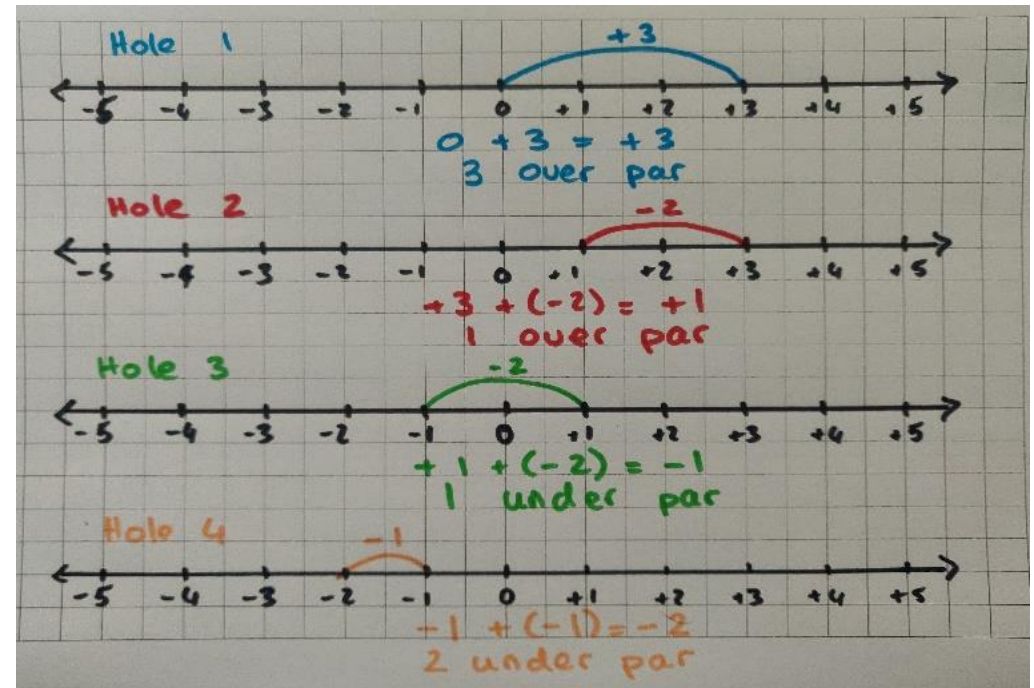
Some suggested scorecards are available on the Scoilnet learning path. <https://www.scoilnet.ie/learning-path/ref/19075/>

## Steps to take:

1. Design and Make your course
2. Decide how many shots it will take to get the ball into the target hole (Decide on your par for this hole. Will it take 3, 4 or 5 shots? This will be the Par for this hole)
3. Record your scores and calculate if you are over or under par.
4. An explanation of the meaning of PAR in golf terms and the +/- scoring system is included in this short video extract from the US Golf Association and will help explain the golf scoring system using directed numbers <https://watchkin.com/2c861b50db>



Grouped Bar Chart



Number Line