

STEM Games Pod 2: In top gear

Lesson 5 The right kit

You will be able to:

- design, carry out and present a scientific investigation to improve a piece of games equipment
- use a chart to plan a fair test
- construct a table for collecting data
- draw line graphs and bar charts
- design a scientific research poster.

How did you do?

.....

.....

.....

.....

.....

What else would you like to find out?

.....

.....

.....

.....

.....

STEM Games Pod 2:

In top gear

Name:

.....

Class:

.....

In this pod you will be able to:

- investigate how new technology has improved performance
- find out how different materials are used to make specific sport shoes
- conduct tests in order to improve a piece of equipment
- investigate how changing the rules will affect the nature of a game
- design and test a new piece of games equipment
- present your results





Lesson 1 Pedal power

You will be able to:

- describe some of the improvements in bicycle technology over time
- explain why the rules of competition must change with new technologies
- use images to construct a timeline
- draw and interpret a line graph
- make an annotated diagram.

How did you do?

What else would you like to find out?

Lesson 4 Moving the goalposts

You will be able to:

- use attributes analysis
- design a new version of a game for a particular set of participants
- explain how any changes have affected the game
- produce a storyboard.

How did you do?

What else would you like to find out?



Lesson 3 Testing equipment

You will be able to:

- design an experiment to improve a simple piece of sports equipment
- use evidence to develop an explanation.
- communicate the outcomes of an investigation.

How did you do?

What else would you like to find out?

Lesson 2 On the run

You will be able to:

- plan and carry out a controlled experiment
- design a poster
- investigate the grip of a range of sports shoes
- explain how sports shoes are designed for their specific purpose.

How did you do?

What else would you like to find out?

STEM Games Pod 2: Up to the mark – Reflections



Things I found I was good at

1

2

3

Things I was less good at

1

2

3

Things that I found difficult

1

2

3

Things I'd like to find out

1

2

3

Other comments