

Name:

Date:

KS2 Quiz

Unit title: Navigating the world

1 What does form mean?

- A The look of an object.
- B The smell of an object.
- C The shape of an object.
- D The weight of an object.

2 What does function mean?

- A The way that an object moves.
- B The purpose of an object or how it works.
- C The electronics inside an object.
- D The shape of an object.

3 What does multifunctional mean?

- A A group of products with one function each.
- B When a product can run the same program more than once.
- C Something that can repeat a function.
- D Something that has more than one function.

4 Who is the client in any design project?

- A Aria from Australia.
- B Someone who sends letters.
- C The person or company who has requested the design.
- D Someone who you pay to complete a job.

5 What is a magnetometer?

- A An app on a smart device such as a mobile phone that displays the world map.
- B A device that measures the Earth's magnetic field to determine which way you are facing.
- C A device in a car that shows the route to a destination.
- D Something which can read and display the direction of the wind.

6 An accelerometer can...

- A ...detect movement.
- B ...detect light.
- C ...detect moisture.
- D ...detect sound.

7 A pedometer can record the number of...

- A ...heartbeats taken.
- B ...breaths taken.
- C ...steps taken.
- D ...energy taken.

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8 Why are sensors useful in smart products?

- A** They can function without the need for human input.
- B** They charge automatically when the power is low.
- C** They can alert someone to a problem using sound.
- D** They are not very big.

9 What is a concept?

- A** A way to manufacture and package a product.
- B** The pitch to the sales team before manufacture.
- C** A visual plan of an invention or idea to share with others.
- D** A range of different rough sketches with no information.

10 What are the pros and cons of 3D CAD modelling?