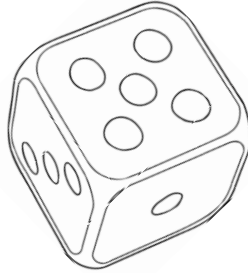


Marvellous Materials

Instructions

You will need:

- Materials board
- Counters
- Dice
- Cards



Before you play:

- This game is for 2-4 players
- Cut out the dice and glue the tabs together to make a cube.
- Cut out the counters above, one for each player.

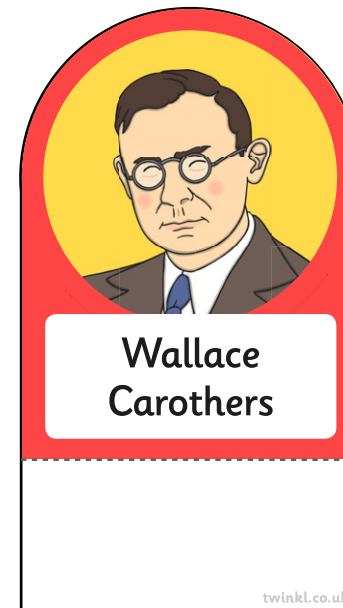
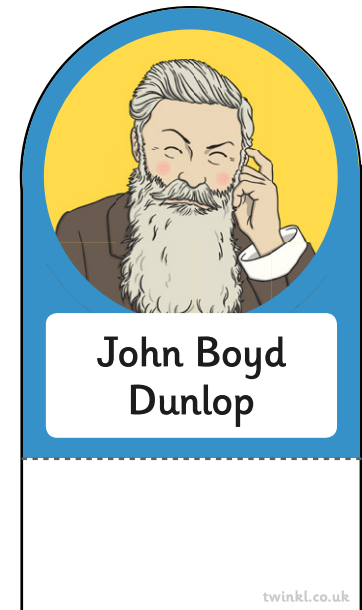
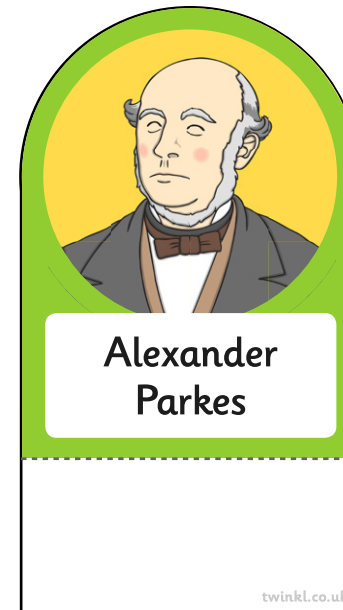
How to play:

1. Place the counters at the start of the game, in the factory.
2. Take it in turns to roll the dice and move around the board.
3. If you land on a space with a star flag, ask a friend to read you one of the true or false cards linked to materials and have a go at answering the question. If you answer the question correctly, you can move forward one extra space!
4. The first person to get to the end of the production line wins!

Which inventor will get there first?

Counters

Cut out each counter and fold behind at the dotted lines to make them stand upright.



Marvellous Materials

True or False?



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Marvellous Materials



The tyres on your bicycle are made from plastic.

True or false?

Answer

False: The tyres on your bicycle are usually made from rubber.

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Marvellous Materials



The following objects are made from rubber:
plates, socks and roads.

True or false?

Answer

False: Plates can be made from plastic or ceramic, socks are nylon/cotton and road surfaces are made from tarmac.

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Marvellous Materials



John Boyd Dunlop invented pneumatic tyres.

True or false?

Answer

True: John Boyd Dunlop invented pneumatic tyres for his son's tricycle.

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Marvellous Materials



Pneumatic tyres have air in them.

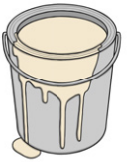
True or false?

Answer

True: Pneumatic means 'filled with air'.

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Marvellous Materials



Rubber has been used for tyres for 500 years.

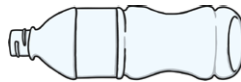
True or false?

Answer

False: It has only been used for around 150 years.

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Marvellous Materials



Before the invention of plastic, drinks came in glass bottles.

True or false?

Answer

True: Glass bottles were used for drinks and other bottles and jars.

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Marvellous Materials



Concrete is lighter than plastic.

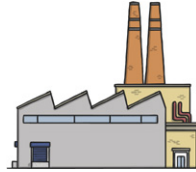
True or false?

Answer

False: Concrete is much heavier than plastic.

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Marvellous Materials



Nylon is a man-made material.

True or false?

Answer

True: Nylon is made from lots of different materials, including oil.

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Marvellous Materials



Plastic can be recycled.

True or false?

Answer

True: Plastic can be recycled into many new things including bottles, toys and even some fibres.

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Marvellous Materials



Concrete is a good building material.

True or false?

Answer

True: Concrete is really strong so it makes a great material to build with.

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Marvellous Materials



Nylon is used to make plant pots.

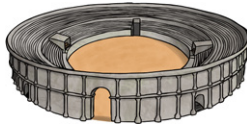
True or false?

Answer

False: Nylon is used to make clothes, string, rope, carpet and fishing nets.

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Marvellous Materials



Concrete was used in ancient Rome.

True or false?

Answer

True: Romans mixed lime, water and the ash from the volcano, Mount Vesuvius, to make a concrete.

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Marvellous Materials



Plastic is made from oil.

True or false?

Answer

True: Crude oil is drilled from the earth and turned into plastic in a factory.

twinkl.co.uk

Marvellous Materials



Rubber can only be made into tyres.

True or false?

Answer

False: Rubber can be used for many things including: hoses, balls and even the soles on your shoes!

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Marvellous Materials

This sign shows you when something can be recycled:



True or false?

Answer

True: This logo is used to show people which materials can be recycled and made into something new.

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Die Net

