

The Spark Lab

ACTIVITY #1 - Start with exploring the idea of power and batteries, in a visual, hands-on way.

BATTERY OR NO BATTERY?

Look at each object. Does it need a battery or electricity to work?

NEEDS A BATTERY OR ELECTRICITY



Remote control



Torch



Ride-on car



Tablet



Game controller



Camera



Robot toy



Drill



Speaker



Smart watch



Fairy lights



Electric toothbrush

DOES NOT NEED A BATTERY OR ELECTRICITY



Teddy bear



Book



Football



Soft toy



Crayons



Chair



Apple



Building blocks

The Spark Lab

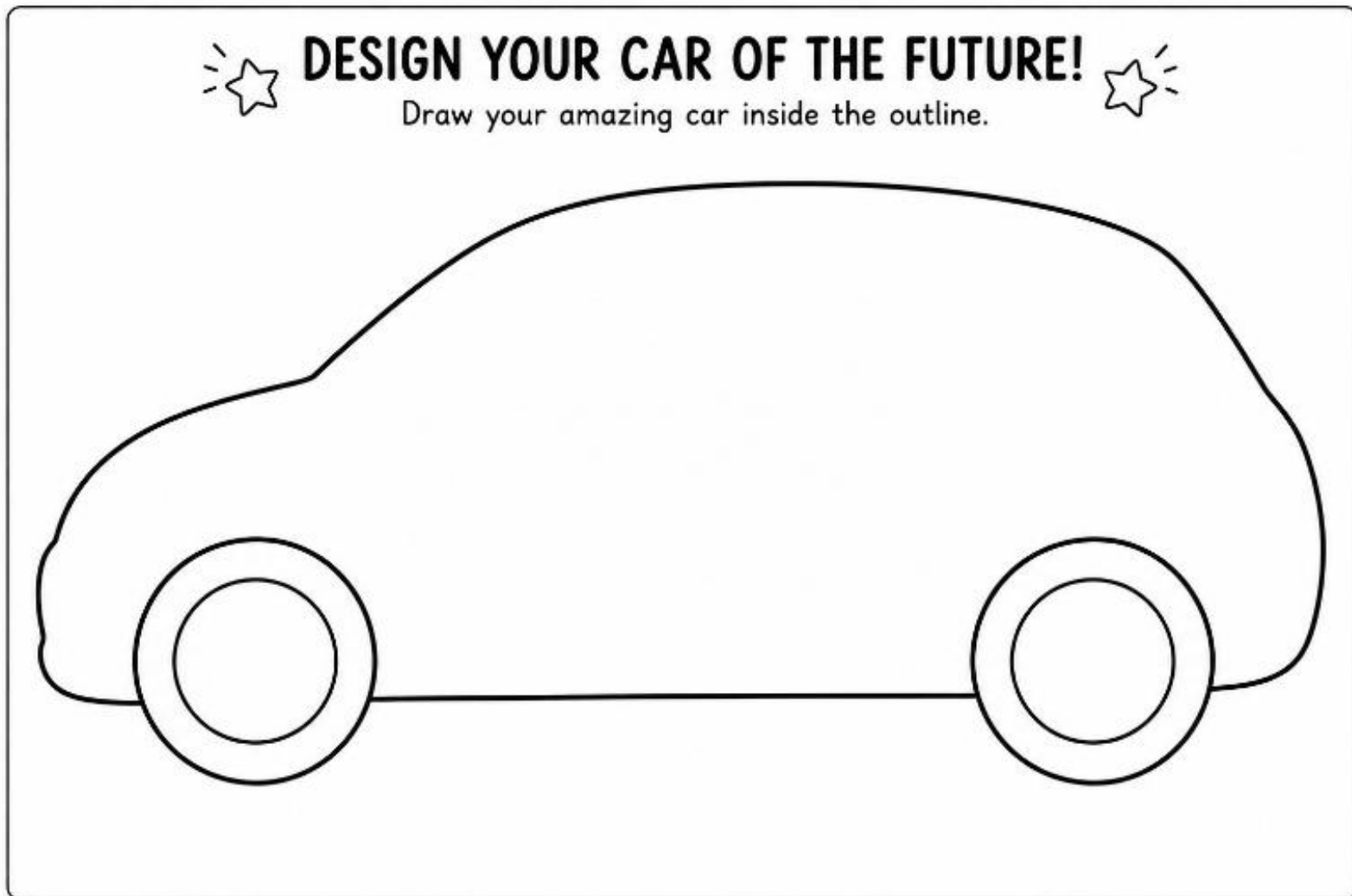
ACTIVITY #2 - Exploring what car features might be possible in the future, and then have fun pinning them to the Idea Board

MINI ENGINEER IDEA BOX – Feature Cards



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ACTIVITY #3 – Have a go at designing their own car, using any colouring pencils you have at home!



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ACTIVITY #4 – Using the check list below, let your child find and spot real car features, before asking them their favorite!

MINI ENGINEER – CAR CHECK

Can you find these on the car?

BIG THINGS
START SMALL.

Find it!

- ☐ Wheels
- ☐ Lights
- ☐ Charging point
- ☐ Doors
- ☐ Mirrors
- ☐ Brakes
- ☐ Windscreen
- ☐ Horn

I'M A MINI ENGINEER!

1. SPOT IT!
 Can you find it on the car?

2. CHECK IT!
 Tick it when you find it.

3. DRAW IT!
 Draw a line to the part.

4. LIKE IT!
 Put a star next to your favourite part!

MY FAVOURITE PART!

Which part do you like best?
Draw a star on the car!

MINI ACEMAN – YC26 NVG

EXPLORE | CREATE | DRIVE A BRIGHTER TOMORROW

MINI ENGINEER – CAR CHECK

Can you find these on the car?

BMW GROUP
MAKE LIFE A RIDE

Find it!

- ☐ Wheels
- ☐ Lights
- ☐ Charging point
- ☐ Doors
- ☐ Mirrors
- ☐ Brakes
- ☐ Windscreen
- ☐ Horn

I'M A MINI ENGINEER!

1. SPOT IT!
 Can you find it on the car?

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 Tick it when you find it.

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MY FAVOURITE PART!

Which part do you like best?
Draw a star on the car!

BMW GROUP ACADEMY

INVESTIGATE | BUILD | DESIGN | INSPIRE

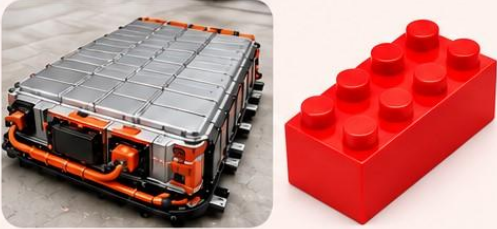
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ACTIVITY #5 – If you have building blocks at home, let your child try and build an Electric Car, with two key components!

MINI ENGINEERS

Build the car of the future!

RED BRICK = BATTERY



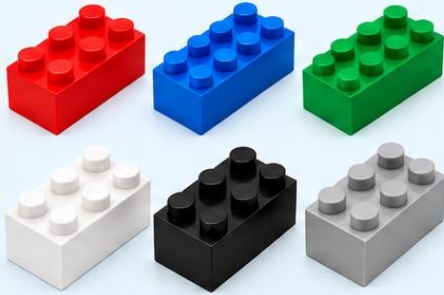


YELLOW BRICK = CHARGER





ALL OTHER BRICKS



BUILD YOUR CAR!



BUILD

EXPLORE

IMAGINE