

## Lesson 9

DME LO: To plan a sequence of making.

IDEAs stands for: Investigate, Disassembly and Evaluate activities

FPTs stands for: Focussed practical tasks (anything practical you do in the lead up to the main make)

DME stands for: Design, make and Evaluate.



On scrap paper,  
write down the  
steps you need to  
take to make the  
Ferris Wheel.

You're going to be using them to write  
instructions on how to make a ferris wheel!

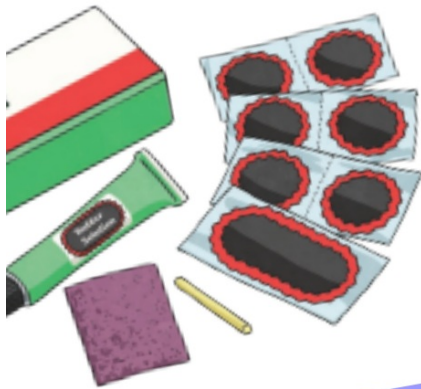
## Instructions reminder:

### Monster Truck

Have you ever seen a flat tyre on a car? Have you seen the huge tyre of a monster truck. How do you get the truck back on track performing these instructions and you will find out

of warm water (a paddling pool would

on  
ilar to glue)



1. Firstly, remove the tyre from the vehicle. If you need help, ask for help from people, who are able to help to

2. Perform a thorough check to find the source of the puncture. If the truck has been driving over other vehicles, remember to ask an expert if necessary.

3. If the source of the puncture is not clear, you will need to find it by reinflating the tyre with air. An electrical pump could speed up the process considerably.

4. After inflating, try looking or listening for any air leaking out. This may involve the use of a small stepladder to reach the top of the tyre.

5. Alternatively, submerge the tyre under water in a very large container such as a paddling pool. Any leaking air can be identified by bubbles rising to the surface of the water.

Your tyre is now ready to be returned into place. Be sure to apply it meticulously and ready to go crushing again!

Warning: If you ever actually own or drive a monster truck, remember to ask an expert before trying to fix any punctures.

6. Once the puncture is located, mark it with a piece of chalk or wax crayon. Keep the chalk nearby.

7. Next, take the sandpaper and roughen the surface.

8. Spread the rubber solution over the puncture and allow it to become tacky and achieve the correct consistency.

9. Use the chalk, which you set aside, to mark the patch.

10. Remove the patch from its packet, note the direction of the arrows on it, then place it over the puncture and press it down until it is securely stuck down. Be sure to apply it meticulously.

Share ideas and, as a class, come up with an order the steps to make the Ferris Wheel.

(model together)

On a double page spread, write a set of instructions for making your Ferris Wheel.

## How to make a mechanical Ferris Wheel

### What you'll need:

- Lollipop Sticks
- Glue
- Motor
- Battery
- Wires
- Elastic band
- Pencil
- Cardboard
- Dowel
- Crayons

### Step 1.

Use i  
your  
expla

Make  
like!

17:00  
Learning Log  
Show me what you  
know about  
• Evolution  
• Adaptation  
• Extinction  
• Charles Darwin  
Inheritance  
is similar to eye  
eyes and so  
I am. So me  
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