

L.O: To Create a set of instructions

- Learn about History of carousel
- What the instruction video
- Write a set of instructions to create a carousel

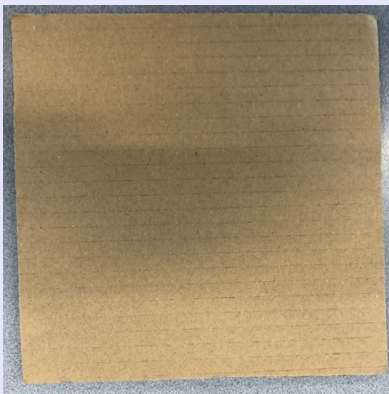
Our DT project is to create build a functional *electric carousel*



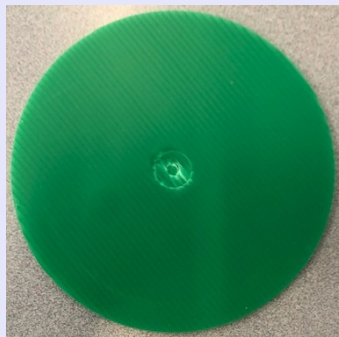
Read the text and answer the questions below

- 1) When and where does the oldest predecessor of carousel comes from?
- 2) Which 12th Century calvary game inspired modern day carousel? What happened in this game?
- 3) In the 19th century, what were the first platform carousel called?
- 4) Who invented the first steam powered carousel?
- 5) Where is the world's greatest carousel located? Why is it special?
- 6) What are the carousel horses made from these days?

The components of the carousel



Cardboard Base



Correx disk



Small MDF wheel



Large MDF wheel



Central axel



Straw



Pulley

The components of the carousel



Motor



Cotton Reel



Rubber band



Small Pulley



Battery holder



Battery



Circuit switch

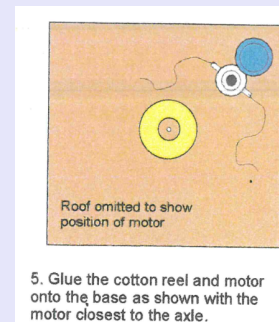
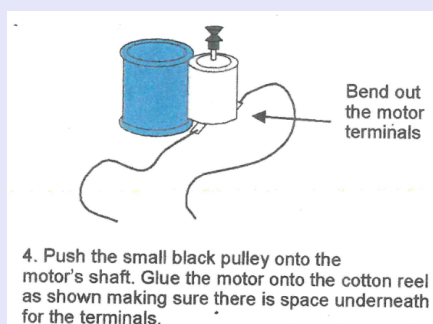
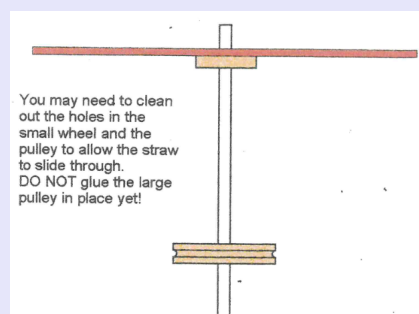
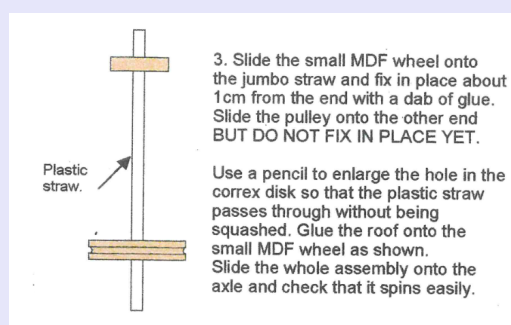
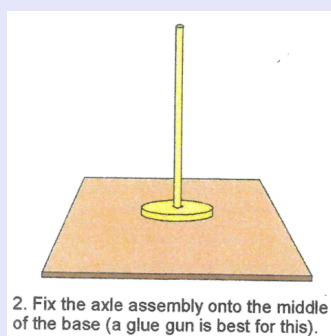
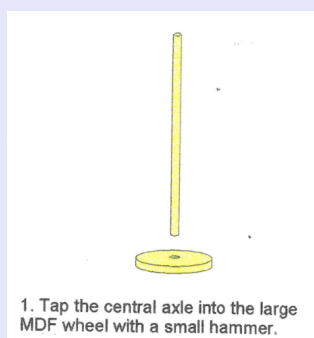


Corrox strip

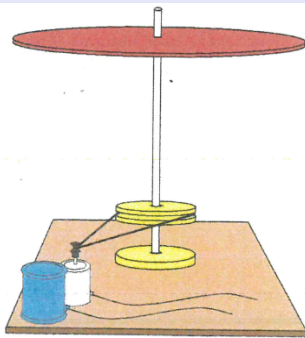
Instructions to make the carousel

As we watch the video, complete your instruction sheet. Use the pictures to guide you.

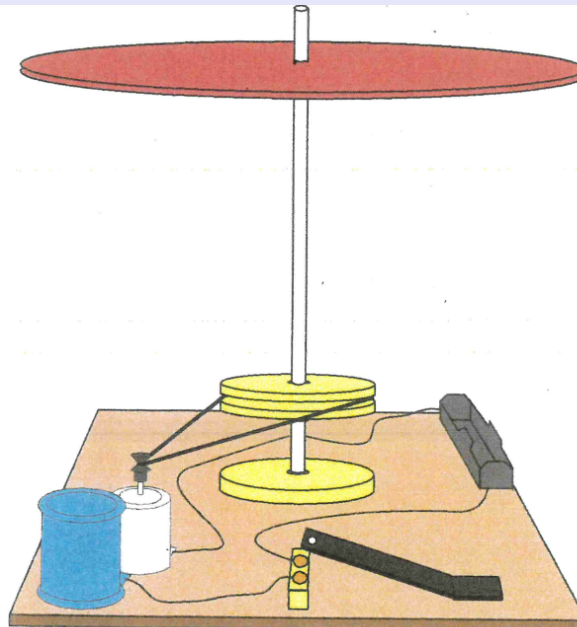
Instructions to make the carousel



Instructions to make the carousel



6. Slip the no.18 rubber band over the pulleys as shown. Adjust the height of the large pulley so that it is **EXACTLY LEVEL** with the small black pulley on the motor. Carefully glue it to the straw to fix its position. (If its not exactly level the band will keep 'jumping off'). Check it works by holding the battery holder wires onto the motor wires with your fingers.



7. Push 2 drawing pins into the small piece of square section wood half way in with a small gap (about 1mm) between the heads. Hook one of the motor wires under one drawing pin and hammer it down. Hook one of the battery holder wires under the other pin and hammer it down. Twist the remaining motor and battery holder wires together.

8. Fit the paper fastener into the hinged strip of correx and position it over the drawing pins so that it bridges the gap and completes the circuit. Glue in place as shown.

9. Decorating: The horses can be suspended from the roof with 4 'L' shaped strips of card. The direction the carousel turns can be reversed by 'crossing-over' the rubber band.