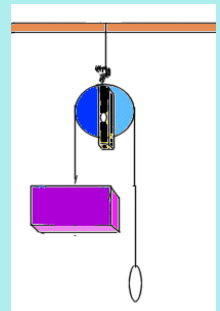
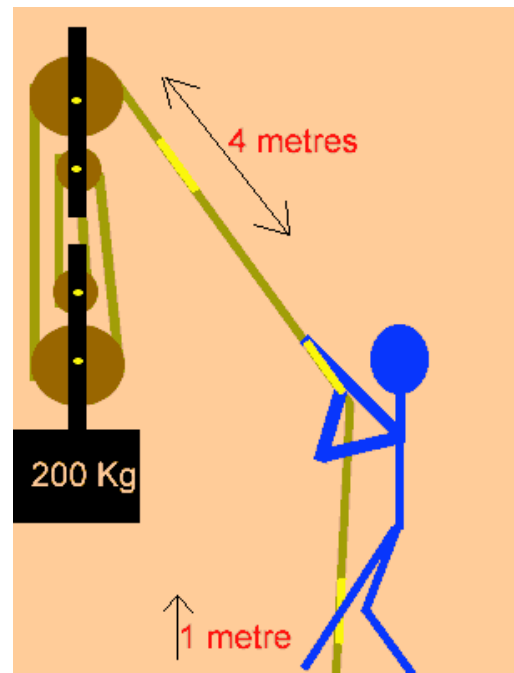


15th January 2021

I can sketch an exploded diagram of a pulley.

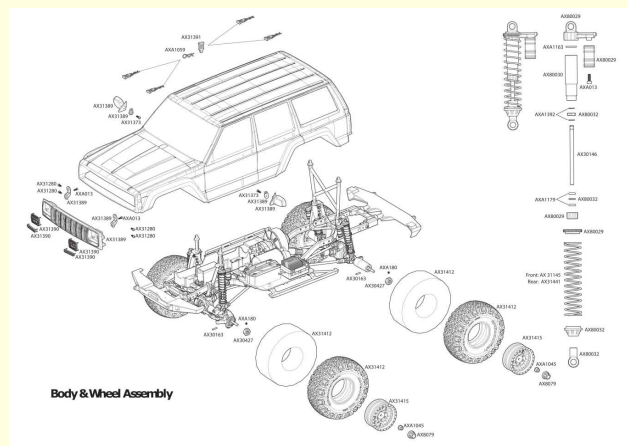


What are pulleys?



Exploded Diagrams

One of the objectives for the Y6 DT curriculum is to draw exploded diagrams. Don't worry, it doesn't need to be this complicated!



An exploded diagram is basically a way of showing all the parts that make up the object in the correct place. They are drawn in 3D.

Later on in the term, we are going to design and make a mechanical toy. This can be using pulleys, cams, gears or lever and linkages. We will look at each one individually in more detail.

Today we are looking at drawing a pulley.

MISSION: IMPOSSIBLE

Your missions, should you choose to accept it is...

Look at the different exploded diagrams of pulleys. Decide which one you want to have a go at drawing. Take your time. Think about making it 3D and also where to place each item so it is in the correct position if it was all fitted back together.

Diagram 1

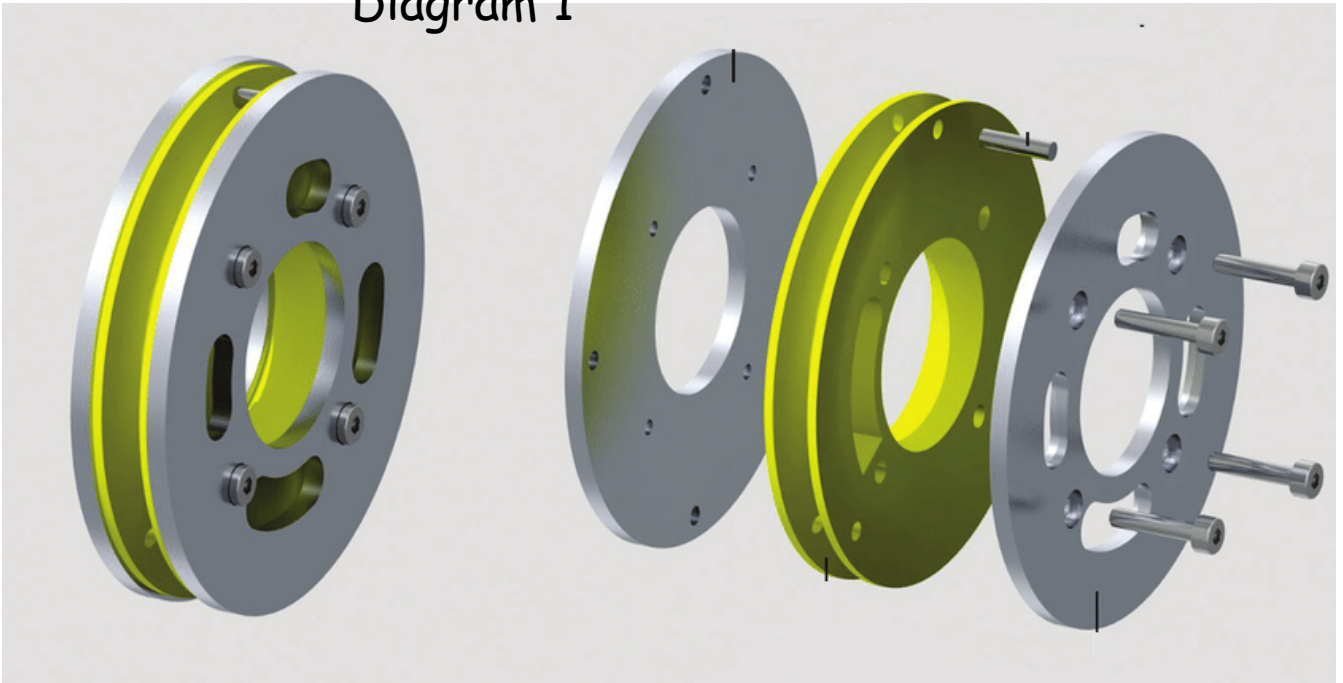


Diagram 2

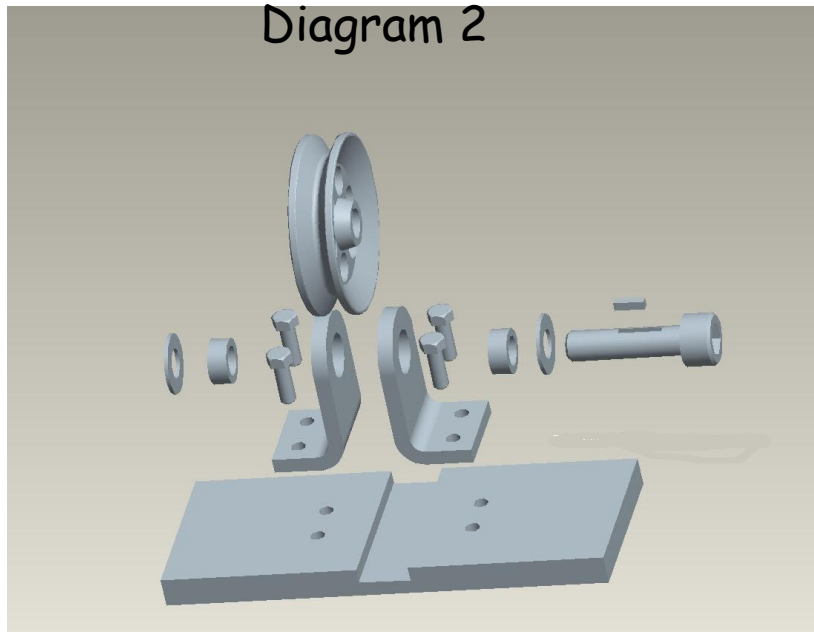


Diagram 3



Diagram 4

