



Year 5 Science Spring 1 Home Learning Tasks



WEEK 1 - LEVERS

What is the smallest weight you can use to lift a rubber with a lever?



<https://www.youtube.com/watch?v=lueqE0lxLyc>

[What is a Lever | How Does a Lever Work | DK Find Out](#)

Watch the video to find out how levers (you say lee-vers) work before investigating what you can lift using a ruler and pencil.

Here's an example of what you can do;

[Science kids: Simple machines lever experiment - Bing video](#)

WEEK 2 - PULLEYS

Watch the video linked below. Then read the information page.

<https://www.youtube.com/watch?v=Nj4J7QNeBNk>

[What is a Pulley | Pulleys for Kids | DK Find Out](#)

Once you have done this, create your own pulley system as shown in the picture. How many books can you lift? Can you increase the amount with adding more pulleys to the original mechanism?



WEEK 3- gears

Watch the video and read the webpage linked below on gears.



<https://www.bbc.co.uk/teach/class-clips-video/will-gears-let-children-pull-a-piano-uphill-with-their-bikes/zmcpy9q>

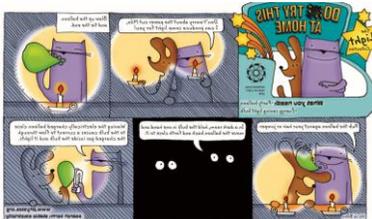
[How Gears Work | Gears for Kids | DK Find Out](#)

Activity

Make a poster on how gears work. Include some real-life examples. Where do we use them every day? And why are they useful.

WEEK 4

STEM Science Experiment Postcards



On the school website you'll find lots of these cartoon postcards with lots of fun Science experiments on them.

Pick anyone, try the experiment and then record what happens however you want!

WEEK 5 – Human Life Cycle

WEEK 6 – Gestation period

