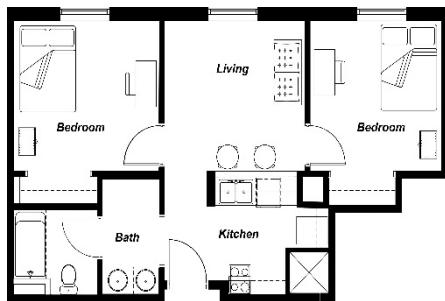


Y7 Mastery in: Design & Technology



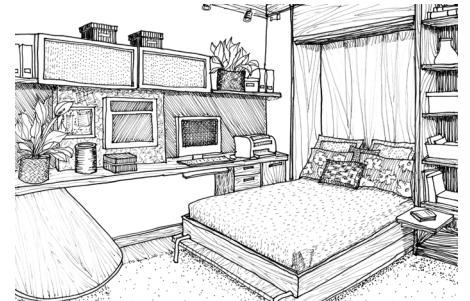
Measure each of the ground floor rooms in your house.



Home design: draw an **orthographic drawing** of the floor plan of your home.



Help a family member with a **DIY or furniture assembly** project.



Re-design your bedroom. Use the Ikea website to find new furniture.



Can you calculate your **Carbon Footprint**?
<https://www.carbonfootprint.com/calculator.aspx>



Can you **identify where the 6R's** are implemented in your home?



Can you take a trip to a building merchants and **locate the FSC logo** on 5 separate products?



Repair an item of clothing or complete maintenance on your bike/ other mechanical item.



Do you understand the difference between **ferrous and non-ferrous metals**?



Sign up for **Tinkercad** and complete an online tutorial.



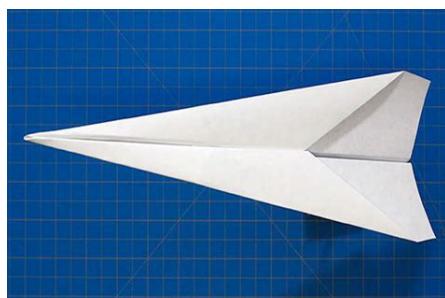
Tinkercad: **Design your own** object, which must be no bigger than 25mm cubed.



3D print your design on a Thursday night after school in **room G26**.



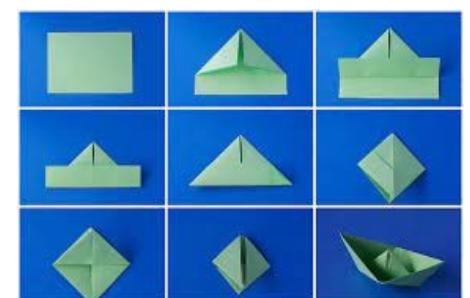
Identify the difference between **man-made boards and solid wood** in your home?



Paper airplane: make 3 designs and measure how far each one travels



Build the highest tower you can using just scrap paper and tape. How high can you go?



Complete and test an **origami boat**. Does it float?