

October Science challenge

Weather: Make a jelly scab ***You will need adult help for this***

Resources:

- Red Jelly
- Crushed weetabix/ or other cereal
- Baking paper
- Spoon

Instructions:

1. Make the jelly according to the instructions and leave to cool until it is just starting to set (ask an adult to help you with this).
2. Lay the baking paper on a flat surface and use the spoon to drop the jelly onto it.
3. Sprinkle the crushed cereal on top of the scab and put it in the fridge to set.
4. Once the scab is hard, gently peel it off the baking paper and place it onto your arm/leg.

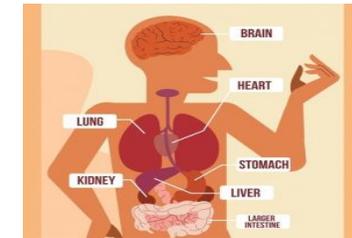
Please bring in/send a photo on Dojo to your teacher. All entries will receive a certificate and a sticker!

The Science: As soon as you cut your skin, **platelets** jump to the rescue. They stick together around the damaged skin to form a **clot**. The clot becomes a scab and it stops harmful **bacteria** getting into the opening of your skin. It's important not to pick scabs as new skin cells are being made and damaged **vessels** repaired.

Please bring your work into school and give it to your teacher. Each entry will get a sticker and a certificate!



Science of the month: Human body



Choose one of the following topics to investigate:

1. Can you find out 5 facts about the human body? Here is one to get you started....You lose around 4kg of skin cells every year!
2. Using different types of pasta, can you make a human skeleton?
3. Record your resting heart rate and then exercise for 2 minutes. Record your heart rate for three minutes after exercising to see how long it takes to return to its normal rate. Can you make a graph to show your results?