

Lockerbie Academy

Learning@Home

Activities – S1-3



Year group

S1

S2

S3

Subject/Teacher Biology

Online activities

Use the Powerpoints on Teams to complete your notes for N5 Unit 3 over the next few weeks. Remember to write the learning outcome slides at the back of your jotter and the notes (slides with a pencil) at the front of your jotter.

When you have finished a powerpoint, make cue cards/mind maps of the information and, when you are ready, try the past paper questions on that topic by opening the PDF and clicking the topic in the contents page.

Check the quality and wording of your answers using the answers document and make careful notes on how to improve these for next time.

Your teacher may give you specific tasks to do on your team – please complete these by the due date set.

Alternative activities

1. Get a clean yoghurt pot, carefully put some holes in the bottom and find somewhere where you are allowed to dig a hole. Bury the yoghurt pot so that it is level with the ground. Camouflage the top with leaves and sticks and leave it overnight. Go and see if you have managed to trap any invertebrates the next day. Identify them using Google image search (below). Think about what might happen if you left the trap for a few days – do you think you would see more or less invertebrates? Why? Make sure to let all the invertebrates safely out of the pot once you have finished identifying them. Go inside and wash your hands thoroughly.

1. On your Android phone or tablet, go to images.google.com.
2. Enter a description of the picture you want to find.
3. Tap Search .
4. Tap the picture you want to search with.
5. Touch and hold the picture. Tap Search Google for this image.

2. Make your own quadrat using <http://blog.soton.ac.uk/bioblitz/2015/03/25/how-to-make-a-quadrat/> to help you. Find an open space (on your own) and randomly place the quadrat. Identify one plant (see above) and count how many of your quadrat squares that plant is present in. This is the abundance of that plant. Repeat this several times and take an average of the abundance. This gives you reliable results. How to randomly place a quadrat: Stand in the middle of the area and then walk forwards the number of your birthday. Then turn to the right (or left) and walk forward the number of your birth month. For example, if you were born on the 2nd of March you would walk 2 steps forward and then 3 steps to the right. When you repeat the experiment, stand where your first quadrat was and choose the birthday of your friend or relative. Walk forward for the day and then to the right for the month, then place the quadrat. When you have finished, go inside and wash your hands thoroughly.