

Welcome to Focus on Science! These are the weekly plans, there may be slight changes but I will make sure you know about them in advance.

Week beginning	Title	Anything you need
6 <sup>th</sup> Jan	Welcome back	Nothing needed
13 <sup>th</sup> Jan	Astrobiology (kind of!)- How would you identify alien cells.	You will need drawing equipment for drawings of the alien cells and reference cells
20 <sup>th</sup> Jan	Origins of life	Large jug, large jar, sieve or gauze/cloth, dried black tea (a teabag is fine but you might need a few), sugar, hot water from kettle, apple cider vinegar (with mother is best-it will say this on the label, it just means there are some bacteria in there, which are good).
27 <sup>th</sup> Jan	You're a STAR!	Nothing needed
3 <sup>rd</sup> Feb	Star life cycles	Big paper and coloured pens.
10 <sup>th</sup> Feb	Energy from Fusion	A calculator would be handy today.
17 <sup>th</sup> Feb	Energy in cells- Respiration 1	You will need: a washing up bowl or similar, a large 2l bottle, a measuring jug, a straw-ideally a bendy one, a marker pen, stopwatch-on a phone or computer is fine.
24 <sup>th</sup> Feb	Energy in cells- Respiration 2	Nothing needed
3 <sup>rd</sup> March	Energy from fuels	Heat proof mat/slab outside/frying pan (any surface you can burn things on), matches, dry food items such as quavers, wotsits, crisps, nachos. Wet cloth in a bucket or large bowl of water, open space. Optional: metal pan or cup that can go on a heat source, water, thermometer, tripod or something like a cooling rack or grill tray that it can stand on. (this will need to be done in a big space, ideally outside with adult supervision)
10 <sup>th</sup> March	Using the suns energy- Photosynthesis	Nothing needed but bring some leaves or plants to the lesson if you like.
17 <sup>th</sup> March	Using the suns energy-Solar power	Pizza box or similar, foil, black paper, small plate, scissors, tape, cookies, marshmallows, 2 plastic or glass clear water bottles, water.
24 <sup>th</sup> March	Variety of life	Nothing needed
31 <sup>st</sup> March	Life cycles	Nothing needed
7 <sup>th</sup> April	Who lays eggs?- Classification	Nothing needed