



Science Homework



Compulsory Homework

Autumn 1 – spellings (learn the spellings for a test in class)

Y5: Forces, Jupiter, Gravity, Gestation, Puberty, Fossil, Life cycle, Environment, Geocentric, Heliocentric

Y6: Reflection, Shadow, Circulatory, Nutrient, Variation, Offspring, Amphibian, Invertebrate, Voltage, Motor

Y7: Dependent variable, Independent variable, Hypothesis, Photosynthesis, Compound, Hooke's law, Water H₂O, Carbon dioxide CO₂, Nitrogen N₂, Oxygen O₂

Y8: Noble gases, Distillation, Electromagnet, Resistance, Enzyme, Nutrients, Biuret solution, Methane CH₄, Carbon dioxide CO₂, Water H₂O

Spring 1 – definitions (find the definitions to the words, write them down and bring them into school)

Y5: Experiment, Method, Results, Repeat, Prediction, Conclusion, Investigate, Reliable, Variable, Equipment

Y7: Ultrasound, Enzyme, Implantation, Prediction, Trend, Control variable, NaCl, H₂, He, K

Y8: Biuret Solution, Photosynthesis, Continuous Variation, Group 1, Distillation, Polymer, The carbon cycle, Resistance, Radiation, Relative motion

Summer 1 – Alphablocks

Fill the boxes with words from the topics you have studied this year.

You can complete the homework online if you want:

<https://forms.office.com/r/gTfknmcGJ9>

Optional Projects

Year 5 – Solar System – Autumn 2

Create a poster/model/video of our solar system showing the different planets. Include information about each of the planets and the distances each of them are away from the Sun.

Year 6 – Bread mould – Spring 1

You are going to investigate the conditions that cause mould to grow on bread. Use 2 slices of bread and 2 clear plastic bags. You will place each slice of bread in a plastic bag, then change the conditions that each slice of bread is exposed to over a week.

For example, you may put one slice of bread in the light and one in the dark. Or one may go in the fridge and the other over a radiator. Or you may choose to dampen one slice of bread before putting it in the bag, while leaving the other dry.

Decide which variable you will change. Use this variable to construct your question. For example, if you are changing the dampness of the bread, your question may be: "Does damp bread go mouldy faster than dry bread?"

Complete the Mould Investigation Activity Sheet and set up your investigation. You will observe the bread over a week and collect your results after.

Year 7 – Cell model – Autumn 2

Choose a specialised cell and design and make a 3D cell model. You can find some ideas on google or in the science classrooms. The best models will have some details about the cell on them.

Year 8 – Periodic Table Poster – Autumn 1

Choose an element on the periodic table (use the one in your planner). Then research that element and create a poster about it. You need to include when it was discovered, how many electrons it has and what the element is like. You can include any additional information that you want to.

