

L4 Homework Matrix Term 2

DIRECTIONS:

- ▶ As per the school homework policy, the expectation in Level 4 is that you complete 30 minutes of homework 3-4 times a week
- ▶ You are also expected to complete a minimum of 4 mathletics activities per week - due on Tuesdays
- ▶ Make sure you speak to Angela to negotiate the amount of points
- ▶ Complete (or record) the activities in your homework book where possible
- ▶ You are expected to complete 4 points per week, through negotiation with your teacher and your parents
- ▶ Neatness counts! If you work is crumpled, written on scrap paper or is not legible, you will receive no points for that piece of work
- ▶ Try to complete the homework in an interesting or inventive way...could you present it as a movie? Could you take photos?

1 point	2 points	3 points	4 points
Create a powerpoint presentation to explain how a science system works, for example the water system or an eco system	Build a word list with at least 20 words and their definitions relating to science	If you were an animal and you had to live in an environment other than your own, which one would it be? Write a persuasive text to persuade other animals why they should move to that environment (3 paragraphs)	Find a podcast on a scientific topic that interests you, then write a 4 paragraph report on what you have learnt. Forward the link to the podcast to your teacher.
Create a collage of pictures of the solar system	Build a model to show how a chemical reaction happens eg acid and alkali	Research 5 ways how ICT is used in science. Show your findings in a powerpoint or by writing a paragraph for each example.	If we need to separate a mixture, we can use the following methods: sieving, filtering, decanting, magnetism, evaporating and condensing. Write a short description and give an example of each one.
Collect at least 5 different newspaper articles related to	Find a passage in a book that relates to science. Arrange a	Find the name of a scientist in Melbourne who would be	Find and conduct a short experiment to investigate how

science	time with your teacher to read it aloud to your class.	interesting to hear speak. Write a persuasive text telling your teacher why they should try and get this person to come to Elwood PS.	the temperature of water affects the speed of dissolving.
Create either a word search or crossword with words that relate to science and chemistry	Design a model to explain the reproductive system of a flower	In science, we often talk about the "scientific method". What is this? Write a short description of each section.	Find a science experiment online that interests you. Do the experiment at home and write it up in your homework book. Could you take photos to show your results?
Find a definition for the following terms; PH Scale, Neutralisation, Ion, Particles, Atoms and Chemicals	Research and write two paragraphs about the difference and relationship between solids, liquids and gasses.	Research one of the following mathematicians: Isacc Newton, Archimedes, Rene Descartes and explain their theories, and provide a bit of background information in 3 paragraphs.	Create a board for junior kids to teach them about a chemical change concept. For example liquid, solid, gas.
Create a poster showing and explaining 3 different types of graphs.	Come up with 3 different tricks to learn your times table. Explain it clearly. Present it however you wish.	Write 6 worded mathematical problems based around the four operations (\times , $+$, $-$, $/$) and provide the answers. Make sure they are Level 4 standard questions!	Create your own Matrix with 12 squares based around Australian History, fractions, measurement, Geometry and Information Reports.
Teacher/Parent/Student negotiated task	Teacher/Parent/Student negotiated task	Teacher/Parent/Student negotiated task	Teacher/Parent/Student negotiated task