Science Home Learning Grid



Overview	Week One Due 9/11/26	Knowledge Organiser
We are learning to mix and separate everyday materials. We will observe changes to materials when they are combined and investigate the difference between reversible (physical), and irreversible (chemical) change.	**Solids & Liquids** Write an information poster about the differences between solids and liquids? You may use https://www.abpischools.org.uk/topics/solids-liquids-and-gases/solids-liquids-gases/ to support this work.	The knowledge organiser contains details of learning for this topic. Within the knowledge organiser, the vocabulary dozen contains key words to **learn to define, spell** and use during this learning.
Week Two Due 16/11/26	**Week Three Due 23/11/26**	**Week Four Due 25/11/26**
Dissolving Test **one** of the following hypotheses: It is possible to make something dissolve more quickly. There is a limit to how much sugar will dissolve in 100ml of water. Warm water is better for dissolving things than cold water. What is the variable? What will you keep the same? Collect and present the results. Draw a conclusion.	**Separating** How would you separate: • flour and rice • salt and water • iron nails and sand • dried peas and rice • sand and water? Use key vocabulary in your explanations.	**Physical and Chemical Changes** Describe three physical and three chemical changes. Explain the difference between these (reversible and irreversible) changes. Labelled diagrams may be useful.
Week Five Due 30/11/26	**Week Six Due 7/12/26**	**Week Seven Assessment 14/12/26**
Chemical Changes Try (or watch) this experiment and then explain how you know that a chemical change has occurred. Click the link for instructions: https://www.kiwico.com/diy/stem/crazy-chemistry/lava-lamp-science-project	**Physical and Chemical Changes** Describe a process that involves physical and chemical change. Examples include: a burning candle, making jelly. Use the key vocabulary in your explanation.	**Assessment week.** Use the knowledge organiser to ensure you have learned and retained the key knowledge and vocabulary for this topic.