

Creative Chemistry (SECONDARY)



Solving solutions

KLAs: Science	LESSON TOPIC: Chemistry
YEAR LEVEL: 7-10	DURATION OF ACTIVITY: 45 minutes

Ever wanted to tap into your inner chemist? Here is your chance! In this activity, students don lab coats and mix unknown substances into bubbling concoctions and colour changing creations. Students explore the outcomes of different chemical reactions, and how they relate to the world around us and our every-day lives. Using their understanding of chemistry built within the lesson, students will collaborate to identify unknown substances, and experiment to explore chemical and physical interactions. They will then create colourful reactions to examine different chemical properties from pH to phase changes, thermal interactions of substances, gas production and precipitation, and use an exploratory approach to predict, observe and explain what we behold.

SYLLABUS LINKS

This activity aligns with and extends concepts and content within the 7-10 Science syllabus.

The focus is on working scientifically and aligns with the Chemical and Physical Worlds strands.

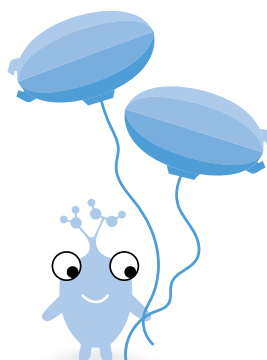
LEARNING OUTCOMES

Students will:

- Develop their knowledge and understanding of the scientific method and chemical processes through undertaking hands-on investigations
- Make predictions about the combining of different chemicals, observe, and suggest explanations for what they witness
- Identify practical applications of chemistry in our everyday lives, highlighting some of the foundations of technology and research today

EXPLORATORY AND PLAY-BASED COMPONENTS

Students put the scientific method into practice - observing, exploring, investigating and suggesting explanations for the chemical reactions they create. This hands-on approach to chemistry allows students to develop confidence and an understanding of the importance of chemistry in the world around us as they combine different chemicals in a fun and safe environment.



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