

SUPER SLIME (FUN WITH POLYMERS)

Years 1–6 · 1 hour · Up to 30 students · Students make and keep their own slime

Students discover that polymers are everywhere — from plastics to their own DNA — through a hands-on slime lab and an investigation of the non-Newtonian properties of oobleck. They observe, predict and test how materials change when they are combined and manipulated.

Australian Curriculum: Science (Version 9.0)

Sub-strand	Year	Content description	Code
Science understanding — Chemical sciences			
Chemical sciences	2	recognise that materials can be changed physically without changing their material composition and explore the effect of different actions on materials including bending, twisting, stretching and breaking into smaller pieces	AC9S2U03
Chemical sciences	3	investigate the observable properties of solids and liquids and how adding or removing heat energy leads to a change of state	AC9S3U04
Chemical sciences	4	examine the properties of natural and made materials including fibres, metals, glass and plastics and consider how these properties influence their use	AC9S4U04
Chemical sciences	5	explain observable properties of solids, liquids and gases by modelling the motion and arrangement of particles	AC9S5U04
Chemical sciences	6	compare reversible changes, including dissolving and changes of state, and irreversible changes, including cooking and rusting that produce new substances	AC9S6U04
Science as a human endeavour			
Nature and development of science	3–4	examine how people use data to develop scientific explanations	AC9S3H01 / AC9S4H01
Use and influence of science	5–6	investigate how scientific knowledge is used by individuals and communities to identify problems, consider responses and make decisions	AC9S5H02 / AC9S6H02

Science inquiry: students pose questions and make predictions, follow safe procedures, make and record observations, and compare their findings with those of others (Years 3–4 band: AC9S3I01–AC9S3I05 / AC9S4I01–AC9S4I05; equivalent descriptions apply in the Years 1–2 and 5–6 bands).

General capabilities: Critical and Creative Thinking · Literacy (scientific vocabulary) · Numeracy (measuring and ratios)

Delivery note: we supply all materials and manage set-up and clean-up. A classroom or small hall and a projector or TV are required. All facilitators hold current Working with Children Checks (Blue Cards).