

# Green Grunge – Syllabus

By Louise Lopes

**Year 7:** Mixtures, including solutions, contain a combination of pure substances that can be separated using a range of techniques (ACSSU113)

- recognising the differences between pure substances and mixtures and identifying examples of each
- identifying the solvent and solute in solutions
- investigating and using a range of physical separation techniques such as filtration, decantation, evaporation, crystallisation, chromatography and distillation
- exploring and comparing separation methods used in the home

**Year 8:** Chemical change involves substances reacting to form new substances (ACSSU225)

- identifying the differences between chemical and physical changes

	Demonstrated inquiry	Prescribed inquiry	Structured inquiry	Guided inquiry	Open inquiry
Questions	No question	Provided question	Sharpened question	Learner selects	Learner poses questions
Plans	No planning	Provided procedure	Discussion with teacher	Guided during planning	Learner determines plans
Conducts	Teacher conducts	Conducting and recording method told	Sharpened plan and conduct	Guided during conducting and recording	Learner conducts and records
Analyse	Teacher analyses	Analysis method told	Discussed analysis	Guided analysis	Learner analyses data studying trends
Problem Solve	No problem solving	Teacher provides reasoning and links	Discussed reasoning and conclusion	Guided reasoning and formulating conclusion	Learner reasons to formulate conclusions
Communicate	No conclusion	Teacher writes conclusion	Student writes	Guided justification and findings	Learner justifies findings and conclusions