

Learning Area Extension Certificate Template

Learning Area:	Science - Chemistry Year 7 &8
Extension Certificate Title:	Cosmetic Chemistry
Task Details:	(Please include your name and year level on the document you submit to your teacher. No group work is accepted.) 1. https://www.teachwire.net/news/ks4-science-lesson-plan-the-creative-chemistry-of-cosmetics 2. Exact details to be finalised at PL Day April 19
Victorian Curriculum Content Descriptors:	<p>Scientific knowledge and understanding of the world changes as new evidence becomes available; science knowledge can develop through collaboration and connecting ideas across the disciplines and practice of science (VCSSU089)</p> <p>Science and technology contribute to finding solutions to a range of contemporary issues; these solutions may impact on other areas of society and involve ethical considerations (VCSSU090)</p> <p>Chemical change involves substances reacting to form new substances (VCSSU098)</p> <p>Identify questions, problems and claims that can be investigated scientifically and make predictions based on scientific knowledge (VCSIS107)</p> <p>Collaboratively and individually plan and conduct a range of investigation types, including fieldwork and experiments, ensuring safety and ethical guidelines are followed (VCSIS108)</p> <p>In fair tests, measure and control variables, and select equipment to collect data with accuracy appropriate to the task (VCSIS109)</p> <p>Construct and use a range of representations including graphs, keys and models to record and summarise data from students' own investigations and secondary sources, and to represent and analyse patterns and relationships (VCSIS110)</p> <p>Use scientific knowledge and findings from investigations to identify relationships, evaluate claims and draw conclusions (VCSIS111)</p>
Resources Required:	TBC

Assessment Criteria Rubric

(Please note this is an 80% pass rate. If you would like to resubmit you have 7 days to do so)

	5	3	1	Not Shown
Chemicals in our Cupboard	More than 10 products analysed. Comprehensive and organised list presents	5-9 products analysed List produced but appears disorganised	Less than 4 products analysed List incomplete	Activity not completed
Laying the foundation	Results of experiment neatly presented and summarised. More than 5 emulsifiers tested	Experiments completed, some result analysis Less than 5 emulsifiers tested	Experiments completed, no results presented Less than 5 emulsifiers tested	Experiments not completed.
High Tech Nano Screen Part 1	Results of experiment neatly presented and summarised. More than 5 sunscreens tested	Experiments completed, some result analysis Less than 5 sunscreens tested	Experiments completed, no results presented Less than 5 sunscreens tested	Experiments not completed.
High Tech Nano Screen Part 2	Evaluation contains at least 4 arguments for and against nanoparticle use	Evaluation contains 2-3 arguments for and against nanoparticle use	Evaluation contains 1 argument for and against nanoparticle use	Little evidence presented

Brandstorm Part 1	New product describes science behind the products and reasons they hope it will be successful to a high level	New product describes science behind the products and reasons they hope it will be successful to a good level	New product describes science behind the products and reasons they hope it will be successful to a satisfactory level	New product shown contains minimal details
Brandstorm – part 2	High level of creativity displayed	Good level of creativity displayed	Satisfactory level of creativity displayed	Some creativity displayed
<p>Once this task has been submitted, your subject teacher will do an initial assessment and moderate with a Learning & Teaching Leader to ensure a fair and equitable result. The subject teacher will communicate your result to you and if you receive an 80% or above you will be awarded your Extension Certificate. If you do not reach the 80% pass rate you will have 7 days to resubmit to achieve the 80% pass rate.</p>				