Coonabarabran High School
Assessment Notification

Subject: Year 7 Science
Assessment task 4: Mixtures and Separation
Weighting: 10%

Date of Notification: 22/7/19
Due date: Term 3 Week 2
Teacher: S Moore, K. Cristoff, M. Eshman

Topics:	Mixtures and Separation
Equipment needed:	black pen, lead pencil, pencil sharpener, ruler, and an eraser.
Length of exam:	1 period during normal class time.
Exam structure:	Scientific diagrams Flow chart construction for the separation of an identified mixture

Students are given a scenario where some soluble and insoluble substances are accidently mixed together. Students are then required to construct a flow chart identifying the different separation techniques (students do not have to carry out the actual task).
Students are given an example of a flow chart to guide their response.

Outcomes being assessed:

Knowledge and Understanding	Skills
CW2 Mixtures, including solutions, contain a combination of pure substances that can be separated using a range of techniques.	
Students should be able to: ☐ Identify and relate a range of separation techniques used to separate the components of some common mixtures to the physical principles involved in each process. ☐ Describe the process of filtration, decanting, evaporation, crystallization, chromatography and distillation, including the equipment used	**Students should be able to:** ☐ Identify the purpose of an investigation ☐ Describe safety guidelines to be addressed ☐ Use a range of representations to organize data, including diagrams and flowcharts ☐ Construct and use a range of representations to honestly, clearly and succinctly present information including drawings and flowcharts

In preparation for this Assessment Task, it is recommended that students look over their class work on the use of the various separation techniques used in the topic of Mixtures and Separation. Students should also revise the correct way to draw scientific diagrams.