



ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

Subject	Science: Water For the World
Year	7
Weighting	30% Yearly assessment
Teachers	Class teacher.
Head Teacher	Mr Shea
Date and school week	Part 1: Check point Overview [No Device construction needed yet] (Term 1 Week 5) Part 2: Final project and evaluation (Term 2 Week 2)

Assessment Outline

1. Design and build a filtration device that can purify dirty water in a location of your choosing from around the world. The purpose is to allow the water to become drinkable.
2. This will be a scaffolded project for Year 7 with links to separation techniques and an understanding of the Particle Theory section in The Chemical World Topic.
3. Students will be guided by the information on purifying water from the Sydney Water website. This is an interactive site that shows large scale separation techniques that they use to make water drinkable in Sydney.
4. (a) Students will have to submit a portfolio for Part 1 of this task which shows their design of the filtration device. The science behind their design and what materials will be needed to create this device.
(b) Feedback will be given for this section of the task, so students will have the chance to redesign if necessary, build and test their device in class time
(c) Final submission: Students will hand in their water filtration device (or submit footage of their device working, the student must be clearly seen in the footage), an evaluation of their design, along with a scaffolded discussion, completed in class.

Non-completion of Task:

If you know you are going to be away on the day that the task is due, you must make alternative arrangements with your classroom teacher. If you are away on the day of the examination, you must catch up with your classroom teacher on the first day you return to make alternate arrangements to catch up on this task.

Failure to follow the above procedures may result in a zero award.

Outcomes Assessed

Check point:

WS4 Identifies questions and problems that can be tested or researched and makes predictions based on scientific knowledge

WS5 Collaboratively and individually produces a plan to investigate questions and problems

Final product:

WS7 Processes and analyses data from a first-hand investigation and secondary sources to identify trends, patterns and relationships, and draw conclusions

WS8 Selects and uses appropriate strategies, understanding and skills to produce creative and plausible solutions to identified problems

WS9 Presents science ideas, findings and information to a given audience using appropriate scientific language, text types and representations

CW3 Mixtures, including solutions, contain a combination of pure substances that can be separated using a range of techniques.