

STUDENT NAME: \_\_\_\_\_

TEACHER: \_\_\_\_\_

### **Year 7 Device submission and evaluation**

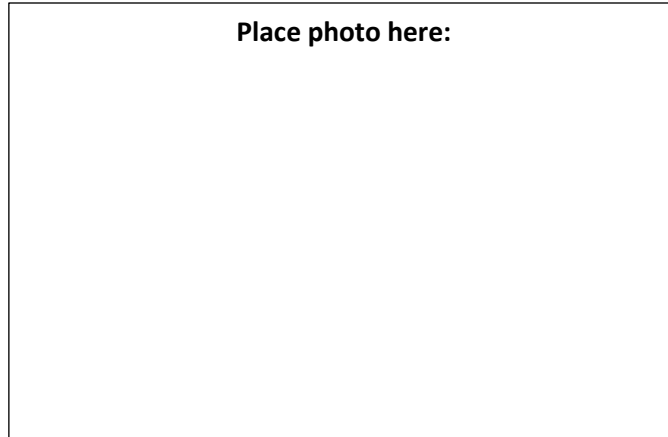
Please discuss with your teacher if you are to hand in this scaffold physically to them on the due date or if they wish for you to complete the scaffold online, through OneNote.

**The completed device:**

**(10 marks)**

1. Include a photo of your device

**Place photo here:**



2. Please circle the below method of how you wish to submit (hand in) your assessment.

a) Physically handing in your completed device to your teacher

**OR**

b) I filmed my device working, including having me in the footage and I'll send this file to my teacher's email.

My teachers email address is: \_\_\_\_\_@det.nsw.edu.au

**In the email subject line, the name will be "First name Second name. Filtering Device"**

**Discussion:**

**(10 marks)**

1. Describe how your device worked.

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2. Draw or place a picture below and describe the water before and after the filtration process.

Before:



After:



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6. In the construction or creation of your model you would have encountered some problems. Identify the problems you had and how you reduced or solved the issue. **(5 marks)**

<b>Problems encountered</b>	<b>How did I reduce or solve this problem</b>
<b>1.</b>	
<b>2.</b>	
<b>3.</b>	

7. Evidence of using the feedback to improve the device: **(5 marks)**

<b>State ONE piece of feedback given by your teacher on your previous marking rubric</b>	<b>Using the feedback given from your teacher, rewrite or update your design as per the feedback given below.</b>

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**8. Device evaluation.**

**(5 marks)**

Circle the level you think you achieved each point below.

(Please note this is a self-evaluation, be honest, you will not lose marks if you think your project is completely excellent or you believe it is missing a lot of stuff)

<b>Thought questions</b>	<b>Yes</b>	<b>Maybe</b>	<b>No</b>
Did my device successfully filter water?	<b>3</b>	<b>2</b>	<b>1</b>
Did the science I researched explain how my device worked?	<b>3</b>	<b>2</b>	<b>1</b>
Could I explain my device in detail to my parents?	<b>3</b>	<b>2</b>	<b>1</b>
Did I complete the Part A and B of this project to the best of my ability?	<b>3</b>	<b>2</b>	<b>1</b>
There is anything I could have done to improve my device.	<b>3</b>	<b>2</b>	<b>1</b>

This assessment was meant to produce water filtration devices that could be used in different locations around the world. Did the device achieve the purpose for which it was made? Is it able to be used in the location that you decided at the start of the project? Justify your response, give reasons to support your answer.

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