

OSA RISK ASSESSMENT FORM

for all entries in ☒ Models & Inventions and ☐ Scientific Inquiry

This must be included with your report, log book or entry. One form per entry.

NAME: Chloe Yaan Yuit Yew

ID: 0341-016

SCHOOL: Magill Primary School

Activity: Give a brief outline of what you are planning to do.

This experiment investigates the rate of reaction of an eggshell dissolving in vinegar at three different temperatures which are at room temperature, low temperature, and high temperature, as well as at two different concentrations of the acetic acid, 4% and 8%.

Are there possible risks? Consider the following:

- Chemical risks: Are you using chemicals? If so, check with your teacher that any chemicals to be used are on the approved list for schools. Check the safety requirements for their use, such as eye protection and eyewash facilities, availability of running water, use of gloves, a well-ventilated area or fume cupboard.
- Thermal risks: Are you heating things? Could you be burnt?
- Biological risks: Are you working with micro-organisms such as mold and bacteria?
- Sharps risks: Are you cutting things, and is there a risk of injury from sharp objects?
- Electrical risks: Are you using mains (240 volt) electricity? How will you make sure that this is safe? Could you use a battery instead?
- Radiation risks: Does your entry use potentially harmful radiation such as UV or lasers?
- Other hazards.

Also, if you are using other people as subjects in an investigation you must get them to sign a note consenting to be part of your experiment.

| Risks | How I will control/manage the risk |
|------------------|---|
| Chemical risks | Chemical contacts can be avoided by putting on an apron, gloves, and safety goggles. The glasses are handled with care to prevent spilling. Any spilled substances will be cleaned and removed instantly. |
| Thermal risks | The glasses will be carefully placed in the slow cooker to prevent scalds from hot water. |
| Electrical risks | The slow cooker will be inspected for electrical safety. Hands will be dried before turning on the switch to reduce the risk of electrical hazards. |

(Attach another sheet if needed.)

Risk Assessment indicates that this activity can be safely carried out

RISK ASSESSMENT COMPLETED BY (student name(s)): Chloe Yaan Yuit Yew

SIGNATURE(S): Chloe Yew

☐ By ticking this box, I/we state that my/our project adheres to the listed criteria for this Category.

TEACHER'S NAME: Amanda Coad

SIGNATURE: Valerie Per Amanda Coad

DATE: 1.7.2021