

Epsom Girls Grammar School – Experiments

Experiment assessments 2014 **13STB**

| 13STB teacher | B | C | D | E | F |
|----------------------|--------------------|--------------------|--------------------|---|--------------------|
| students | 20 | 20 | 17 | | 18 |
| groups | 6 | 6 | 5 | | 6 |
| | | | | | |
| 12MST | SPE | WOO | STL | CAN | GAR |
| | 22 | 23 | 22 | 22 | 24 |
| Year 10 students | | | | 10MTA LUM29 10MTBNIL27 10MTHGAR23 10MHTOM23 | |
| Experimental units | 38 | 39 | 36 | >40 | 38 |
| | | | | | |
| 12MST | 28, 29 July | 28, 29 July | 29, 30 July | 29, 30 July | 28, 30 July |
| | | | | | |
| 13STB | 4, 5 August | 4, 5 August | 5, 6 August | 5, 6 August | 4, 6 August |
| | | | | | |

13STB:

Monday July 28th 8am: Students are emailed the names in their group and a copy of the assessment. Students are expected to work together out of class time to use research to create a question and plan their experiment.

Session 1 (second last lesson of week 2): Students will plan their experiment in groups of 3 or 4 (6 groups per class, 5 for MCH). They can bring in any research they have done and access the internet.

Groups will record their plan on a Google doc shared with the teacher. The teacher will comment on the plan as submitted at the end of session 1. Students should not make changes to it out of class time. The teacher will put comments and suggestions into the Google doc before August 1st.

Session 2 (August 1st): Students work in groups to improve experimental design in response to teacher comments. Groups can ask questions and get help from the teacher during this lesson. After this lesson the teacher copies the group plan into a word document and saves copies to each student's secure assessment log on.

Sessions 3 & 4 (August 4/5/6): Classes combine with a 12MST class to make a larger experimental group. Classes will be in Do unless food or drink is involved in which case they will need to go back to the 12MST classroom. Each group has 15 minutes to run their experiment (3 groups per lesson). Data is recorded and emailed to teacher at the end of the lesson (one student from the group can type the data into a spreadsheet instead of

participating in the next experiment). All classes have time free after second lesson for last group to finish typing data into a spreadsheet. All original data records need to be handed in at the end of the lesson.

Teacher saves spreadsheet into each student's secure assessment log on before the next session.

Sessions 5 & 6 (August 6/7/8): Students use secure assessment log on to do the analysis and write up their report. Teachers to collect in cards after students have logged on at the beginning of each session. Students may bring in one A4 page of research related to their topic to each session.