# Science at Work and Earth and Space Science
## Year 8 Term 1

**NOTE:** All book requirement items have a * next to them, all investigations that have a write-up to be done have a ** next to them, other assessments have *** next to them, tests ****.

### TERM OUTLINE

<table>
<thead>
<tr>
<th>WEEK</th>
<th>LESSON 1</th>
<th>LESSON 2</th>
<th>LESSON 3</th>
<th>LESSON 4</th>
<th>Homework / Workbook</th>
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</table>
| 1    | • Introduction to Term 1  
      • Expectations  
      • Science department Standard testing  
      • What do you know and brainstorming (Ch 1)  
      • Pre-test  
      • Word wall/definitions  
      • Workbook - Page 2: exercise 1  
      • Homework - Any unfinished classwork. |
| 2    | • Getting started activity*  
      • What is science*  
      • Investigations and experiments  
      • Writing scientific reports  
      • Introduction to Experiment 1  
      • Experiment 1**  
      • Variables  
      • Control variables  
      • Hypotheses  
      • Fair testing  
      • Workbook - Page 2: exercise 2  
      • Page 3: exercise 3-4  
      • Page 4: exercise 5-6  
      • Page 6: exercise 7  
      • Homework - Any unfinished classwork.  
      • Full scientific report on Experiment 1. |
| 3    | • Inferences  
      • Graphing*  
      • Skill builder activity pg 10-11*  
      • Investigation 1**  
      • SHE activity pg 19-21*  
      • Revision main ideas, review questions and Key concepts  
      • Workbook - Page 6: exercise 8  
      • Page 7: exercise 9  
      • Page 8: exercise 10  
      • Page 9: exercise 11  
      • Homework - Any unfinished classwork.  
      • Full scientific report for Investigation 1  
      • Revision for test |
| 4    | • Test****  
      • What do you know and brainstorming (Ch 10)  
      • Pre-test  
      • Word wall/definitions  
      • Word wall/definitions  
      • Getting started activity pg 225*  
      • Bill Nye the science guy S01E02  
      • Workbook - Page 74: exercise 1  
      • Homework - Any unfinished classwork. |
| 5    | • Inside the Earth  
      • Layers of the Earth  
      • Volcanoes  
      • Igneous rocks  
      • Volcanic and plutonic rocks  
      • Minerals and crystals  
      • Investigation 26**  
      • Workbook - Page 75: exercise 2  
      • Page 76: exercise 3-4  
      • Homework - Any unfinished classwork. |
| 6 | • Investigation 26 cont**  
• Scientific report writing time | • Activity pg 230*  
• Check questions pg 230* | • Making crystals (students need to supply a glass jar) | • Physical weathering  
• Chemical weathering | • Workbook  
- Page 77: exercise 5-6  
- Homework  
- Any unfinished classwork.  
- Full scientific report for Investigation 26 |
|---|---|---|---|---|---|
| 7 | • Erosion research* | • Check questions pg 236* | • Australian landform research*  
• Formation of Australian Landforms (Judith Birchall)  
• SHE activity pg 248* | | • Homework  
- Any unfinished classwork. |
| 8 | • Sedimentary rocks | • Metamorphic rocks | • The rock cycle | • Investigation 28** | • Workbook  
- Page 78: exercise 7  
- Page 79: exercise 8, 9 &10  
- Homework  
- Any unfinished classwork.  
- Complete scientific report for Investigation 28 |
| 9 | • Check questions pg 244* | • Revision main ideas, and review questions | • Revision Key concepts | • Test**** | • Homework  
- Any unfinished classwork.  
- Revision for test |
| 10 | • Intro to Inquiry project*** | • Construction stage of inquiry project*** | • Final touches to inquiry project***  
• Presentation of projects  
• Playing quiz/games  
• Self-evaluations | | • Homework  
- Any unfinished classwork.  
- Work on inquiry project |