

**Queen Margaret College**  
**Year 11 Materials Technology Programme 2019**  
**Level 6 of the New Zealand Curriculum**

| Standard Number | Achievement Standard Title   | Credits | Internal / External | Proposed assessment date  |
|-----------------|--|---------|---------------------|---|
| AS91047, 1.4    | Undertake development to make a prototype to address a brief.                      | 6       | Internal            | Term 2, Week 6<br>7 June<br>Practical due<br><br>Term 2, Week 7<br>14 June<br>Book due            |
| AS91058, 1.21   | Implement basic procedures using textile material to make a specified product.     | 6       | Internal            | Term 2, Week 6<br>7 June<br>Practical due<br><br>Term 2, Week 7<br>14 June<br>Book due            |
| AS91046, 1.3    | Use design ideas to produce a conceptual design for an outcome to address a brief. | 6       | Internal            | Term 3, Week 8<br>20 September<br>Practical due<br><br>Term 3, Week 9<br>27 September<br>Book due |
| AS91063, 1.30   | Produce freehand sketches that communicate design ideas.                           | 3       | External            | Term 4, Week 2<br>25 October  |

### Course details

Students will work on two units of work over the course of the year, exploring a variety of materials and construction processes: topic one – Nature in Bags; topic two – Dress to Impress. Each unit of work will require completion of investigation research, design, development work, written tasks and the construction of a practical solution. Students will have experiences in developing their own patterns and in using a commercial pattern. Students will develop skills in freehand sketching techniques to communicate their design ideas. The design work produced over the year is externally assessed by folio submission. It is recommended that one of the units of work should be developed for a client, not the student.

### Course Information

- Materials Technology is a year-long practical based course.
- There are two major topics which each take approximately approx. 14-16 weeks to complete.
- Students will be involved in various design activities with given scenarios to ‘problem solve’, which may result in the development of a model, prototype, or final product outcome.
- There is a \$50+gst annual consumables fee for Materials Technology. This will be charged to your school account. Students will work on individual practical projects

that will require them to purchase some of their own material resources. Topic specific resource details will be given to students at the start of each topic.

- There may be planned trips throughout the year which are necessary to develop knowledge for the assessment tasks in the unit topics. You will be notified of any costs associated with any trips (travel, entry fees). Costs incurred will be charged to your school account.

### **Homework expectations**

Your daughter should be learning at home for a total of at least 10 hours per week, across all subjects.

To achieve at a high level in this subject, students are expected to complete some homework during the week. Homework might include:

- Carrying out individual project - written, research or design sketching tasks.
- Attending lunchtime workshops to complete any practical work or to access extra help with practical work.
- Catching up with work not completed during class time.
- Sourcing materials and resources for practical construction work.