



Task Number	3	Task Name	Biotechnology Research and Presentation Task
Course	Year 10 Science	Faculty	Science
Teacher	Yates. Allen, Anderson, Sulek	Head Teacher	Mr Yates
Issue date	Term 3 Week 4	Due date	Term 3 Week 8 Monday 8th September 2025
Focus (Topic)	Biotechnology	Task Weighting	25%

Outcomes

A student:

SC5-15LW – explains how biological understanding has advanced through scientific discoveries, technological developments and the needs of society

SC5-7WS – processes, analyses and evaluates data from first-hand investigations and secondary sources to develop evidence-based arguments and conclusions

SC5-9WS – presents science ideas and evidence for a particular purpose and to a specific audience, using appropriate scientific language, conventions and representations

Task description

Students are to use time allocated in class and time at home to conduct research and create a presentation about a named example of biotechnology. A list of examples of biotechnology has been included with the task to assist in selecting a possible topic.

Students will need to identify how the named biotechnology is used in society and describe how the named technology works with the aid of a diagram. Students will also need to clearly explain the advantages and disadvantages of the technology and the social and ethical impacts of that technology. From this information, a clear judgement about the technology will need to be made and communicated in the presentation.

A reference list is also required with the task. All sources of information need to be referenced appropriately. A scaffold is also provided for students to break the task into smaller, manageable sections.

Marking Guidelines

The following guidelines are the Science grade descriptors for Year 10. They are indicative of the level of performance that student work will be measured against and may not directly relate to the individual task. More detailed marking guidelines will be included with the task.

CRITERIA	MARK %
Outstanding The student has an extensive knowledge and understanding of the content and can readily apply this knowledge. In addition, the student has achieved a very high level of competence in the processes and skills and can apply these skills to new situations.	90-100
High The student has a thorough knowledge and understanding of the content and a high level of competence in the processes and skills. In addition, the student is able to apply this knowledge and these skills to most situations.	75-89
Sound The student has a sound knowledge and understanding of the main areas of content and has achieved an adequate level of competence in the processes and skills.	50-74
Basic The student has a basic knowledge and understanding of the content and has achieved a limited level of competence in the processes and skills.	25-49
Limited The student has an elementary knowledge and understanding in few areas of the content and has achieved very limited competence in some of the processes and skills.	0-24
Late submission – no misadventure Assessment not submitted	Parental notification