Subject: Biology  
Course: HSC  
Task Number: 1 of 5  
Marks: 57  
Weighting: 15%  
Date / Time: Monday 9th November, 2015  
Tuesday 10th November, 2015  
S1: 12 Bio C, S2 :12 Bio B, S4: 12 Bio P

Outcomes to be assessed: H3, H4, H6, H7, H8, H12, H13, H14

Topic: Research from Secondary Sources

Carry out research on the topic as directed, then bring your information to class on the due date and complete a 60 min ‘in class’ task using your research and information provided. The task will be completed during your normal class lesson.

A completed bibliography, academic integrity sheet, evidence of processing of all identified sources used and an assessment of reliability of three secondary sources are to be submitted on the day.

NB: In the event of a missed or late task, assessment rules apply.

Syllabus Dot Points to be assessed

Part 1

- outline the processes used to produce transgenic species and include examples of this process and reasons for its use define transgenic species
- discuss the potential impact of the use of reproduction technologies on the genetic diversity of species using a named plant and animal example that have been genetically altered
- analyse information from secondary sources to identify examples of the use of transgenic species and use available evidence to debate the ethical issues arising from the development and use of transgenic species

Part 2 - Science skills

- Identify practising male and female Australian scientists, the areas in which they are currently working and information about their research

You must choose ONE female and ONE male scientist from the list below:

Female: Fiona Wood, Elizabeth Blackburn, Fiona Stanley, Nicole Webster, Moira O’bryan

Male: Barry Marshall, Ian Frazier, Peter Doherty, Gregg Suaning, Graeme Clarke

Marks will be awarded for:

- gathering, processing and analysing information from a range secondary sources
- presenting correct and relevant information
- appropriately acknowledging sources
- using appropriate scientific terminology and reporting styles for written presentation
- providing evidence of research, processing and analysing secondary information
- using appropriate pictorial representations to clearly present information
- making judgments about the social impacts of biology and technology
- Assess reliability of secondary sources
Acknowledgment Receipt

I ___________________________ acknowledge that I have received formal notification of the Biology research assessment task set for

Monday 9th November, 2015  S1: 12Bio A, S2: 12 BioD,  S3 12Bio E&G,

______________________________ Student’s Signature.