**Internal Assessment Resource**

Achievement Standard Technology 91615: Demonstrate understanding of consequences, responsibilities, and challenges involved in technology

Resource reference: Technology 3.8

Resource title: Drone Technology

Credits: 4

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| Achievement  | Achievement with Merit | Achievement with Excellence |
| Demonstrate understanding of consequences, responsibilities and challenges involved in technology. | Demonstrate in-depth understanding of consequences, responsibilities and challenges involved in technology. | Demonstrate comprehensive understanding of consequences, responsibilities and challenges involved in technology. |

Student instructions

Introduction

This assessment activity requires you to do research and present a report on the development of drones.

You may conduct your research within a group, but you will create your report independently.

The credit rating of this standard indicates that the time for learning, practice and assessment should be approximately 40 hours.

You will be assessed on the depth and comprehensiveness of your understanding of the consequences, responsibilities, and challenges involved in the development of drones.

Task

Decide on a technological development in the field of drone technology to research.

Research the technological development.

Use your findings to create a report that:

* explains the consequences of the technological development and identifies probable future developments
* discusses the responsibilities of technologists over time
* explains how the development challenges people’s perceptions of what it means to be human.

Use the guidelines below and the information provided in prior teaching and learning to structure your report.

Your report

In your report:

* identify stages in the development of drones
* explain the consequences of drones for the made, natural, and social world over time
* discuss how the consequences of drones have influenced the responsibilities of technologists over time
* explain how, and discuss why, technological intervention in drones has challenged people’s perceptions of what it means to be human
* discuss probable future developments in drone technology, justifying your predictions by referring to past and/or contemporary evidence
* acknowledge all sources of information that you use.

Final submission

When you have completed your report, hand it in to your teacher