



## Stage 5 Information and Software Technology

### Oral presentation: Artificial Intelligence

**Due date:**      **Week 4 Term 3**

Using *Microsoft PowerPoint* create ten slides to assist you to complete an oral presentation on the topic of Artificial Intelligence.

You will need to research the following:

Area of research	What you have to do
<b><i>Artificial Intelligence (AI)</i></b>	
<ul style="list-style-type: none"><li>• intelligence and artificial intelligence</li></ul>	<ul style="list-style-type: none"><li>• <i>define and describe</i> artificial intelligence</li></ul>
<ul style="list-style-type: none"><li>• historical perspective of artificial intelligence</li></ul>	<ul style="list-style-type: none"><li>• <i>investigate</i> the work of pioneers of AI, such as Alan Turing</li></ul>
<b><i>Areas of Artificial Intelligence</i></b>	
<ul style="list-style-type: none"><li>• intelligent systems including a range of game types</li></ul>	<ul style="list-style-type: none"><li>• <i>identify</i> a range of intelligent systems including games</li></ul>
<ul style="list-style-type: none"><li>• knowledge bases</li><li>• demons</li><li>• expert systems</li><li>• neural networks</li></ul>	<ul style="list-style-type: none"><li>• <i>examine</i> a range of expert systems</li><li>• <i>explore and contrast</i> the uses for demons, expert systems, neural networks and knowledge bases</li></ul>
<b><i>Requirements of Artificial Intelligence, e.g.</i></b>	
<ul style="list-style-type: none"><li>• software</li><li>• hardware</li></ul>	<ul style="list-style-type: none"><li>• <i>research</i> the requirements of AI for a range of situations</li></ul>



## Some definitions that will help you create your oral presentation

<b>Define:</b>	to state or describe something clearly
<b>Describe:</b>	to give an account of something by giving details of its characteristics
<b>Investigate:</b>	to carry out a detailed examination or inquiry, especially officially, in order to find out about something or somebody
<b>Identify:</b>	to consider two or more things as being entirely or essentially the same
<b>Examine:</b>	to inspect or study something in detail
<b>Explore:</b>	to make a careful investigation or study of something
<b>Contrast:</b>	a difference, or something that is different, compared with something else
<b>Research:</b>	a methodical investigation into a subject in order to discover facts, to establish or revise a theory, or to develop a plan of action based on the facts discovered

## References

<http://electronics.howstuffworks.com/robot8.htm>

<http://www.wonkosite.ausbone.net/cybertext/ai/index.htm>

<http://www.cciw.com/np4/int.html>

<http://www.wonkosite.ausbone.net/cybertext/ai/ai1.htm>

<http://www.wonkosite.ausbone.net/qsites/topics.htm#D>

<http://www.tau.ac.il/humanities/philos/ai/links.html>

<http://www.cs.berkeley.edu/~russell/ai.html>

<http://www-formal.stanford.edu/jmc/whatisai/node1.html#SECTION00010000000000000000>

## Presentation

1. Ensure you include a title page.
2. Use a small number of points on each slide (no more than 4) and ensure they are only one sentence long. The *PowerPoint* presentation is not an essay, it is there to assist your oral presentation and is not your oral presentation.
3. Your oral presentation (speaking time) should go for 3–4 minutes.
4. Include a bibliography on the last slide acknowledging where you have obtained the information for your assignment.