


ASSESSMENT TASK NOTIFICATION

	<p>SUBJECT: Industrial Technology - Metal</p> <p>YEAR GROUP: 10</p> <p>TASK TITLE: Robots in the metal industries</p>	<hr style="width: 80%; margin: 0 auto;"/> <p>Student Name</p> <p>Submitted To:</p> <p>S. Blanch</p>
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Name of Unit:	Robots in the metal industries			
Type of Task:	Assignment – Powerpoint/Class Presentation			
Due Date:	Term:	3	Week:	4
Weight:	33% of assignment total			

OUTCOMES ASSESSED	<p>5.3.2 selects and uses appropriate materials for specific applications</p> <p>5.5.1 applies and transfers acquired knowledge and skills to subsequent learning experiences in a variety of contexts and projects</p> <p>5.7.1 describes, analyses and uses a range of current, new and emerging technologies and their various applications</p> <p>5.7.2 describes, analyses and evaluates the impact of technology on society, the environment and cultural issues locally and globally</p>
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DESCRIPTION OF ACTIVITIES

BACKGROUND:

Most robots in the world today are designed for heavy, repetitive manufacturing work in industry (ie: the manufacturing of motor vehicles and components). They handle tasks that are difficult, dangerous and boring to human beings. Robots use electrical sensing and control systems to activate mechanical apparatus.

Part 1: (40 marks) Prepare and present a 4 slide Powerpoint presentation.

Describe how robots are used to help make automobiles. Diagrams must be included.

Part 2: (40 marks) Prepare and present a 4 slide Powerpoint presentation.

Compare another two uses of robots in other metal industries. Diagrams must be included.

Part 3: (20 marks) Prepare and present a 2 slide Powerpoint presentation.

Discuss how robots may be used in the future. Diagrams may be used.

You must include a TITLE slide and REFERENCE slide of Internet sites used.

The completed assessment must be e-mailed to the relevant teacher by the date indicated. You will then present your assignment to the class in week 5.

Things to do:

- Make sure you read the question and understand what is required.
- Keep the design simple, (you will not be marked on your slide transitions)
- Make sure you can read and understand the text.
- Use relevant diagrams.
- Use your time in class to best advantage.
- Prepare yourself to present your work. (use palm cards in your delivery)

Things not to do:

- Use a small font size.
- Use a picture as a background to text.
- Use red or other hard to read colours.
- Plagiarize from text.
- Stand at the front and let the class read the slides.

METHOD OF SUBMISSION	<p>Late submissions lose 25% the first day, 50% the second day and on the third day no grade is given.</p> <p>Work that is plagiarised will not receive a grade and will need to be resubmitted.</p> <p>Sources that have been used in your assignment need to be acknowledged in a reference list</p> <p>Computer / printer malfunctions are not considered a valid excuse for submitting an assignment late.</p> <p>Extensions must be requested from the TLC well before the due date</p>
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MARKING RUBRIC

PART A

CRITERIA	GRADE
Precise definition and identification of robots, the processes and work they perform in manufacturing. Displays excellent ability to research, collect and present ideas and use relevant diagrams.	A
Detailed definition and identification of robots, the processes and work they perform in manufacturing. Displays good ability to research, collect and present ideas and use relevant diagrams.	B
Adequate definition and identification of robots, the processes and work they perform in manufacturing. Displays satisfactory ability to research, collect and present ideas and use relevant diagrams.	C
Attempts to provide a definition and identification of robots and the work they do in manufacturing. Displays basic ability to research, collect and present ideas and use relevant diagrams.	D
Little definition and identification of robots and the work they do in manufacturing. Displays little ability to research, collect and present ideas and use relevant diagrams.	E

PART B

CRITERIA	GRADE
Precise comparison of robots and uses. Displays excellent ability to research, collect and present ideas and use relevant diagrams.	A
Detailed comparison of robots and uses. Displays good ability to research, collect and present ideas and use relevant diagrams.	B
Adequate comparison of robots and uses. Displays satisfactory ability to research, collect and present ideas and use relevant diagrams.	C
Attempts to provide a comparison of robots and uses. Displays basic ability to research, collect and present ideas and use relevant diagrams.	D
Little comparison of robots and uses. Displays little ability to research, collect and present ideas and use relevant diagrams.	E

PART C

CRITERIA	GRADE
Precise discussion of robots and future uses. Displays excellent ability to research, collect and present ideas and use relevant diagrams.	A
Detailed discussion of robots and future uses. Displays good ability to research, collect and present ideas and use relevant diagrams.	B
Adequate discussion of robots and future uses. Displays satisfactory ability to research, collect and present ideas and use relevant diagrams.	C
Attempts to discuss robots and future uses. Displays basic ability to research, collect and present ideas and use relevant diagrams.	D
Little discussion of robots and future uses. Displays little ability to research, collect and present ideas and use relevant diagrams.	E