



# ORANGE HIGH SCHOOL

## ASSESSMENT TASK NOTIFICATION

<b>Subject</b>	Software Design and Development
<b>Topic</b>	Research Case Study
<b>Class Teacher</b>	E Green
<b>Head Teacher</b>	I Paine
<b>Year</b>	11
<b>Date Given</b>	Monday 24 <sup>th</sup> February 2020, Term 1, Week 5
<b>Date Due</b>	Thursday 2 <sup>nd</sup> April 2020, Term 1, Week 10
<b>Weighting</b>	30%

### Assessment Outline

#### Question 1 (P2.1) -

Describe the development of the following generations of programming languages;

- 1<sup>st</sup> Generation (Machine Code)
- 2<sup>nd</sup> Generation (Assembly Language)
- 3<sup>rd</sup> Generation (Higher Level Languages: Imperative/Procedural)
- 4<sup>th</sup> Generation (Declarative Languages: Non Procedural)

#### Question 2 (P2.2) -

Assess the effect of the generations of programming languages on software development practices though out the years.

#### Question 3 (P3.1) -

Explain the function of *translation* when computers use programming languages.

#### Question 4 (P3.1) -

Compare and contrast the following methods of translation; *compilation* and *interpretation*

#### Non-completion of Task:

If you know you are going to be away on the day that the task is due, you must make alternative arrangements with your teacher beforehand. If you are suddenly away on the day that the task is due, you must contact your teacher or Head Teacher on your return to school. Documentation will be required in both classes.

#### Plagiarism:

Plagiarism, the using of the work of others without acknowledgement will incur serious penalties and may result in zero award. Any cheating will also incur penalties.

**Failure to follow the above procedures may result in a zero award.**

**The policies and procedures that are outlined on the ROSA booklet will be followed regarding the non-completion of assessment tasks.**

### Outcomes Assessed

- P2.1 describes the developments in the levels of programming languages
- P2.2 describes the effects of program language on current practices
- P3.1 identifies the issues relating to the use of software solutions.

## Marking Rubric:

### Question 1 (P2.1) -

<b>Marking Criteria – Question 1</b>	<b>Mark</b>
• Provides an accurate and extensively detailed description of the development of all generations of programming languages	19 - 20
• Provides an accurate description of the development of all generations of programming languages	15 - 18
• Provides a general description of the development of all generations of programming languages	10 - 14
• Provides an outline of the development of all generations of programming languages	5 - 9
• Provides an outline of the development of some generations of the programming languages	1 - 4

### Question 2 (P2.2) -

<b>Marking Criteria – Question 2</b>	<b>Mark</b>
• Provides an accurate and extensive assessment of the effect the generations of programming languages have had on software development practices over time	19 - 20
• Provides an explanation of the effect generations of programming languages have had on software development practices over time.	15 - 18
• Provides a general description of the effect generations of programming languages have had on software development practices over time.	10 - 14
• Provides an outline of how generations of programming languages have changed some software development practices	5 - 9
• Provides little to no information about how generations of programming languages have influenced software development practices.	1 - 4

### Question 3 (P3.1) -

<b>Marking Criteria – Question 3</b>	<b>Mark</b>
• Provides an accurate and extensively detailed explanation of the function of translation when computers use programming languages	9 - 10
• Provides an accurate explanation of the function of translation when computers use programming languages	7 - 8
• Provides a description of the function of translation when computers use programming languages	5 - 6
• Provides an outline of the basic function of translation when computers use programming languages	3 - 4
• Provides little to no useful information about the function of translation when computers use programming languages	1 - 2

### Question 4 (P3.1) -

<b>Marking Criteria – Question 4</b>	<b>Mark</b>
• Extensively compares and contrasts <i>compilation</i> and <i>interpretation</i> with accuracy and sophistication	9 - 10
• Compares and contrasts <i>compilation</i> and <i>interpretation</i> with accuracy and detail	7 - 8
• Compares and basically contrasts <i>compilation</i> and <i>interpretation</i>	5 - 6
• Outlines the methods of <i>compilation</i> and <i>interpretation</i>	3 - 4
• Provides little to no useful information about the methods of <i>compilation</i> and <i>interpretation</i>	1 - 2