



ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

| | |
|----------------------|---|
| Subject | Mandatory Timber Technology |
| Topic | Engineered Systems |
| Class Teacher | J Carter, T Thompson, D Boundy, J Lindsay, A Hetherington |
| Head Teacher | D Wait |
| Year | 7 & 8 |
| Date Given | |
| Date Due | 2 weeks from handout |
| Weighting | 10% |

NOTE: Some of these assessment task will be completed using class time.

Students studying Technology Mandatory Industrial Arts will be assessed on their ongoing practical work as well as an accompanying Design work and Folio. Students will be provided with time in class to complete these components, however any work missed or not finished within the set time will be required to complete these sections at home. The Engineers Assessment Task is a work at home requirement. Initial assistance in class and scaffolding will be conducted before needing to complete at home before submission date.

Task 1. Engineer Research Task

You are required to research and investigate an Engineering Profession/Field from the list provided to generate a Presentation (minimum 7 slides). Select one of the following professions:

- **Electrical Engineers**
- **Civil Engineer**
- **Mechanical Engineer**
- **Bio-Medical Engineer**
- **Aeronautical Engineer**

then using PowerPoint, Slides, Sway etc you are required to complete the following. **Make sure you have a title page and bibliography of sites you have used for your research.**

What headings to complete in your Presentation

1. **The role of the profession.**
(What does the Engineer do on a daily basis, what skills do they have to use to complete their engineered projects)
2. **Training requirements**
(What does it take to gain a qualification to get a career in the area and the associated costs to be educated at an educational institution).
3. **Contribution to society: Positives/Negatives**
(What does the human race gain through having a person trained in this area, what are the benefits/positives and costs/negatives for the engineer in their field)
4. **Pay scale/Financial Gain**
(What is the expected income the engineer would achieve at all levels, ranging from cadet/fully trained/manager roles/CEO etc)
5. **Developments**
(Outline their significant developments, what innovations/inventions/projects would they complete. Give visual evidence of these i.e. picture, diagram etc)

*Be sure to use effective pictures to support your project and all information is accurate and of a high standard.

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

TE4-10TS- Explains how people in technology related professions contribute to society now and into the future.

MARKING CRITERIA

| <u>Outstanding</u> <u>(10-9)</u> | <u>High</u> <u>8-7</u> | <u>Sound</u> <u>6-5</u> | <u>Basic</u> <u>4-3</u> | <u>Limited</u> <u>2-1</u> |
|---|--|---|---|--|
| Outcome: - TE4 -10TS- Explains how people in technology related professional contribute to society now and into the future | | | | |
| Task 1: Research Task Students are required to investigate an Engineering Profession/Area and generate a Social Media Profile or a presentation method of their choice. | | | | |
| Student presents exemplary presentation on allocated profession, all details are accurate and factual Student identifies all aspects listed including role of professional, workplace requirement, training required, contribution to society, pay scale Clear illustrations and graphics used Presentation utilises multimedia techniques including audio, visual etc Student present information accurately and confidently | Presentation addresses all criteria but lack finer detail of outstanding presentation Student identifies most of aspects the role of professional, workplace requirement, training required, contribution to society, pay scale Clear illustrations and graphics used Presentation utilises multimedia techniques including audio, visual etc Student present information accurately and confidently | Student presents most information, however further detail and explanation is required 2 or more missing components of chosen profession as listed in outstanding grade Limited use of illustrations Presentation only uses audio or visual media Student present most information accurate. Only one person contributes to presentation | Presentation addresses 2 components of the task Only 1 role addressed as listed for outstanding grade Limited use of illustrations Limited use of digital presentation method Information not clearly presented | Students present limited information about their profession or the information is inaccurate Incorrect role for professional No illustrations or graphics used I source of media used for presentation Poor quality presentation |