# Stage 4 STEM Assessment Notification

- **Please note:** If you are absent on the day this assessment task is due for any reason, including a School approved activity, you MUST inform your teacher BEFORE the due date. Failure to do so may result in a (0) for your task.

<table>
<thead>
<tr>
<th>Assessment</th>
<th>STEM Careers independent research task</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course:</td>
<td>Stage 4 STEM (Year 7 and Year 8)</td>
</tr>
<tr>
<td>Weighting:</td>
<td>50%</td>
</tr>
<tr>
<td>Due Date:</td>
<td>Term 2 Week 3</td>
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- **Content to be Assessed:**
  1. Investigations into a STEM Career related to your term project, drafted using the supplied scaffold.
  2. Digital presentation using MS Sway appropriate for Year 6 students

- **Outcomes:**
  1. Use scientific method to investigate and find solutions to problems.
  2. Communicates ideas, findings and information through a portfolio.
  3. Uses mathematical techniques to solve problems.
  4. Works safely in the STEM environment.
  5. Applies a design process.
  6. Produces a working solution to a design brief.

- **Task Instructions:**
  1. Work through the structured research activities in class time as directed by your teacher. Use the research scaffold to find the required information about the STEM Career related to your project this term.
  2. **Follow the design process to produce a STEM Career presentation suitable for Year 6 students.**
  3. Following teacher demonstration, use an online digital presentation tool to create a presentation of the information, using Microsoft Sway in your Student Portal.
  4. Submit for marking with your teacher by sharing it with them online.

- **Resources:**
  STEM Centre thinkerspace and school iPads for research.
  STEM Centre makerspace computers for presentation creation.
  Student portfolio to store research scaffold.

- **Planning and Preparation:**
  All work will be conducted during class time in the STEM centre. STEM Centre open at lunchtime for assessment work and help if needed.

- **Teachers Setting Assessment:**
  - Mr Scott, Mr Finlay, Mr Boardman, Mr Kay, Ms Shepherd, Mr Oakden.
## STEM Career research and presentation assessment task marking rubric

**Student name:**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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<tbody>
<tr>
<td><strong>Content:</strong></td>
<td>All points covered in depth from a completed research scaffold, with a complete understanding of the content demonstrated.</td>
<td>All points covered in some detail from a completed research scaffold.</td>
<td>All/most sections covered from a completed research scaffold.</td>
<td>Some points lacking in detail or not completed/incorrect, from an incomplete research scaffold.</td>
<td>Some research is attempted but research scaffold is incomplete.</td>
</tr>
<tr>
<td><strong>Production:</strong> Digital presentation</td>
<td>A very well set out digital presentation is produced, with highly effective use of images and text. No wasted space.</td>
<td>A clearly laid out digital presentation is produced, with good use of imagery and text.</td>
<td>A completed digital presentation is produced, with images and text used to support the presented information.</td>
<td>A digital presentation has been attempted. Help is given to produce a solution that may/may not work.</td>
<td>No digital presentation is attempted.</td>
</tr>
<tr>
<td><strong>Design Process:</strong></td>
<td>Each step of the design process is completed independently and evident in an effective final solution.</td>
<td>Each step of the design process is completed in detail and is evident in the final solution.</td>
<td>Each step of the design process is completed to produce an appropriate final solution.</td>
<td>Help is needed to complete steps of the design process when attempting a solution.</td>
<td>Help is needed to complete steps in the design process.</td>
</tr>
<tr>
<td><strong>Working Safely:</strong> Ergonomics</td>
<td>Works ergonomically safe all the time, without the need for reminders.</td>
<td>Works ergonomically safe when using digital technology.</td>
<td>Works ergonomically safe the majority of the time.</td>
<td>Needs some reminders on how to work ergonomically safe when using digital technology.</td>
<td>Unable to work ergonomically safe when using digital technology.</td>
</tr>
<tr>
<td><strong>Evaluation:</strong> Student self-evaluation</td>
<td>Critically evaluates the success of the presentation to meet criteria, through points for and against and areas for improvement.</td>
<td>Evaluates the success of the presentation to meet criteria.</td>
<td>Can provide some evaluation of the success of the presentation.</td>
<td>Limited evaluation of the success of the presentation.</td>
<td>No evaluation has been conducted.</td>
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**Teacher Feedback:**

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STEM Careers – Internet Research Task

Use [joboutlook.gov.au](http://joboutlook.gov.au) and [uac.edu.au](http://uac.edu.au) for any information you require before making a Sway to share this information with your target audience.

STEM Career Title: ____________________________________________________________

Demand: __________________________________________________________________

Education Required:

   School subjects:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

   Tertiary Training (University/TAFE – Course name and length):

________________________________________________________________________
________________________________________________________________________

Salary Range: __________________________________________________________________

Typical work activities/description:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

STEM skills required for this job:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________