Year 7 - Stem 2024

<table>
<tr><th colspan="3">TERM 1</th></tr>
<tr><td rowspan="3">TIMING
Weeks 2 –11</td><td colspan="2">STEM Introduction and Skills
Students’ complete activities based on understanding and applying design thinking. They will unpack key terms and practise skills that apply to later projects.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td>● Apply the processes of working technologically, working mathematically, and working scientifically skills and strategies that improve literacy and numeracy.
● Embed opportunities for the development of 21st Century skills and general capabilities such as communication, collaboration, problem-solving, self-evaluation, ICT, critical and creative thinking, personal and social capability.</td><td>Task Number: 1
Nature of Task: In class quizzes
● Team skills
● Maths skills
● Science skills
● Digital skills
● Safety and practical skills
Percentage: 20%
Week: Week 11
Reported: Semester 1</td></tr>
<tr><th colspan="3">TERM 2</th></tr>
<tr><td rowspan="3">TIMING
Weeks 1 - 9</td><td colspan="2">Collaborative Practical Portfolio
Students undertake a collaborative practical project on bridge design with the completion of an independent portfolio.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td>● Apply the processes of working technologically, working mathematically, and working scientifically skills and strategies that improve literacy and numeracy.
● Embed opportunities for the development of 21st Century skills and general capabilities such as communication, collaboration, problem-solving, self-evaluation, ICT, critical and creative thinking, personal and social capability.
● Ensure and monitor the presence of academic rigour and ongoing assessment.
● STEM programs are planned, developed, and implemented by an Integrated STEM team with succession planning considered to ensure sustainability.
● STEM programs are an alternative method of delivery of part of the curriculum, not compromising, or adding to, existing curriculum.</td><td>Task Number: 2
Nature of Task:
Portfolio and Practical
Percentage: 80%
Week: Week 9
Reported: Semester 2</td></tr>
</table>

Year 7 - Stem 2024

<table>
<tr><th colspan="3">TERM 3</th></tr>
<tr><td rowspan="3">TIMING
Weeks 1-10</td><td colspan="2">CREST Award
Students complete an independent challenge where they research, develop and Solar Oven. Students will document their progress in an independent research portfolio. The best projects will be displayed at the CSIRO STEM Community Partnerships Showcase and if all components are complete will be eligible for a CREST Green award from CSIRO.</td></tr>
<tr><td>UNIT OVERVIEW</td><td>ASSESSMENT</td></tr>
<tr><td>● Apply the processes of working technologically, working mathematically, and working scientifically skills and strategies that improve literacy and numeracy.
● Embed opportunities for the development of 21st Century skills and general capabilities such as communication, collaboration, problem-solving, self-evaluation, ICT, critical and creative thinking, personal and social capability.
● Ensure and monitor the presence of academic rigour and ongoing assessment.
● STEM programs are planned, developed, and implemented by an Integrated STEM team with succession planning considered to ensure sustainability.
● STEM programs are an alternative method of delivery of part of the curriculum, not compromising, or adding to, existing curriculum.</td><td>Task Number: 3
Nature of Task: Portfolio and Practical
Percentage: 100%
Week: 3
Reported: Semester 2</td></tr>
<tr><th colspan="3">TERM 4</th></tr>
<tr><td>TIMING
Weeks 1 - 10</td><td colspan="2">Mini Olympics Or Extension Activity for CSIRO Showcase
● Apply the processes of working technologically, working mathematically, and working scientifically skills and strategies that improve literacy and numeracy.
● Embed opportunities for the development of 21st Century skills and general capabilities such as communication, collaboration, problem-solving, self-evaluation, ICT, critical and creative thinking, personal and social capability.
● Ensure and monitor the presence of academic rigour and ongoing assessment.
● STEM programs are planned, developed, and implemented by an Integrated STEM team with succession planning considered to ensure sustainability.
● STEM programs are an alternative method of delivery of part of the curriculum, not compromising, or adding to, existing curriculum.</td></tr>
</table>