Name of Subject: Material Products (Woodwork)

Stage: 2

General information:
Material Products involves the use of a diverse range of manufacturing technologies such as tools, machines, and/or systems to convert resistant materials into useful products. Students produce outcomes that demonstrate the knowledge and skills associated with using systems, processes, and materials such as timber and timber products and is normally offered at Year 12.

Content:
Students develop design briefs, demonstrating their design and technological ability through activities in contexts that have a practical outcome. They make sound decisions about materials and techniques, based on their testing and understanding of the physical properties and working characteristics of materials. Students identify product characteristics and make critical judgments about the design and creation of products and systems.
They work with a range of tools, materials, equipment, and components to a high degree of precision, while implementing safe working practices. They demonstrate an understanding of the needs and values of a range of users to design and create products or systems that fit an identified design brief. They develop their ability to evaluate outcomes against the design brief.

Assessments:
School-based Assessment (70%)
• Assessment Type 1: Skills and Applications Tasks 20% weighting
• Assessment Type 2: Product 50% weighting
External Assessment (30%)
• Assessment Type 3: Folio 30% weighting

Preferred prerequisites:
Completion of at least year 10 Technology Studies and year 11 Design and Technology- Material Products would be beneficial for a satisfactory completion of this subject.

Special Information:
Stage 2 Design and Technology students may on occasion need to work after school on Tuesdays 3.30pm until 5.00pm in order to complete their product.
Materials for the student’s major project are at an additional cost to College fees.
Students will negotiate an individual design and construction project with the teacher.