

Junior Cycle **Wood Technology** at Coola PPS

In Wood Technology students will explore the natural and made world through the medium of design, seeking out opportunities to creatively and innovatively apply the material/resource in making and shaping their environment. The sustainable use of and management of this natural resource is important as the world faces the challenges of the 21st century



Room 20 - Wood Technology Room

The study of **Wood Technology** at junior cycle aims to:

- enable students to develop the necessary conceptual understanding, disciplinary skills and subject knowledge to design and create artefacts of value
- empower students through designing and making, whilst developing an awareness of sustainability and the use of natural resources
- develop a range of core design skills and relevant manipulation skills through modelling and processing wood and other materials
- develop the confidence and resilience of students through engagement with the uncertainty of design challenges
- encourage students' innovation and creativity through recognition and appreciation of their capacity to design and create.

Learning Experiences

Learning in this subject will be active and student centred, with learners collaborating in the pursuit of knowledge and in the safe management of the Wood Technology classroom environment. Through the challenges posed by the design-based philosophy of the subject, students will develop the relevant knowledge, understanding, skills and values to bring ideas from conception to reality in a way that will allow them to be expressive, creative and innovative.

A Student's Learning Journey

1st Year

Students develop knowledge, understanding, values and skills through engagement with learning outcomes

Learning supported by formative assessment



1st Year Model Boats

2nd Year

Students develop knowledge, understanding, values and skills through engagement with learning outcomes

Learning supported by formative assessment

Classroom-Based Assessment 1
Wood science in our Environment

Teachers engage in a Subject Learning and Assessment Review meeting



1st Year Desk Tidies

3rd Year

Students develop knowledge, understanding, values and skills through engagement with learning outcomes

Learning supported by formative assessment

Classroom-Based Assessment 2
Self-Analysis and Evaluation

Teachers engage in a Subject Learning and Assessment Review meeting

SEC Examination
Project – 70%
Written Examination – 30%



1st Year Christmas Logs

Junior Cycle Profile of Achievement (JCPA)

Project and Written Examination

Wood Technology is assessed at a common level. On completion of the Classroom-Based Assessments, students undertake a project. The project is completed after the second CBA in third year. The brief for the project is set and marked by the State Examinations Commission (SEC). The project accounts for 70% of the final SEC grade with the written exam accounting for the other 30%.



Some examples of past Junior Certificate MTW Projects at Coola PPS



Student Achievement

Here at Coola PPS our students excel in the Practical Subjects. Students choosing Practical Subjects in this school have consistently performed higher than the national average receiving an honours grade of A, B or C at higher Level in the traditional Junior Certificate examinations. We are confident this will continue with the introduction of the new Junior Cycle Technology subjects and look forward to meeting the challenge.