

Junior Cycle 'Graphics' at Coola PPS

In junior cycle Graphics, students develop their creativity, spatial ability, and capacity to reason and communicate ideas through engagement with abstract and applied geometric problem-solving activities. Graphics encourages the development of the cognitive and practical dexterity skills associated with graphical communication

Students will build an appreciation of the role of graphics in the world around them and will make judgements on the best mode through which to represent their ideas and solutions.



Room 15 - Graphics Room

The study of **Graphics** at junior cycle aims to:

- develop the student's creativity, spatial ability, and capacity to reason and communicate ideas through engagement with abstract and applied geometric problem-solving activities
- encourage the development of the cognitive and practical dexterity skills associated with graphical communication
- instil an appreciation of the role of graphics in the world around them
- equip all students to make judgements on the best mode through which to represent their ideas and solutions
- encourage the production of drawings that promotes the skills of communicating through graphics
- develop students cognitive and practical skills associated with modelling and graphical communication.

Learning Experiences

Students will develop their creativity as they investigate and solve design challenges. Students will work with their peers to refine their ideas from an abstract concept to a final, detailed, drafted design. Abstraction, and spatial reasoning are fundamental to this process; graphics provides multiple and varied opportunities for students to develop these high level cognitive and creative skills in engaging context



Sample of 1st Year student drawings



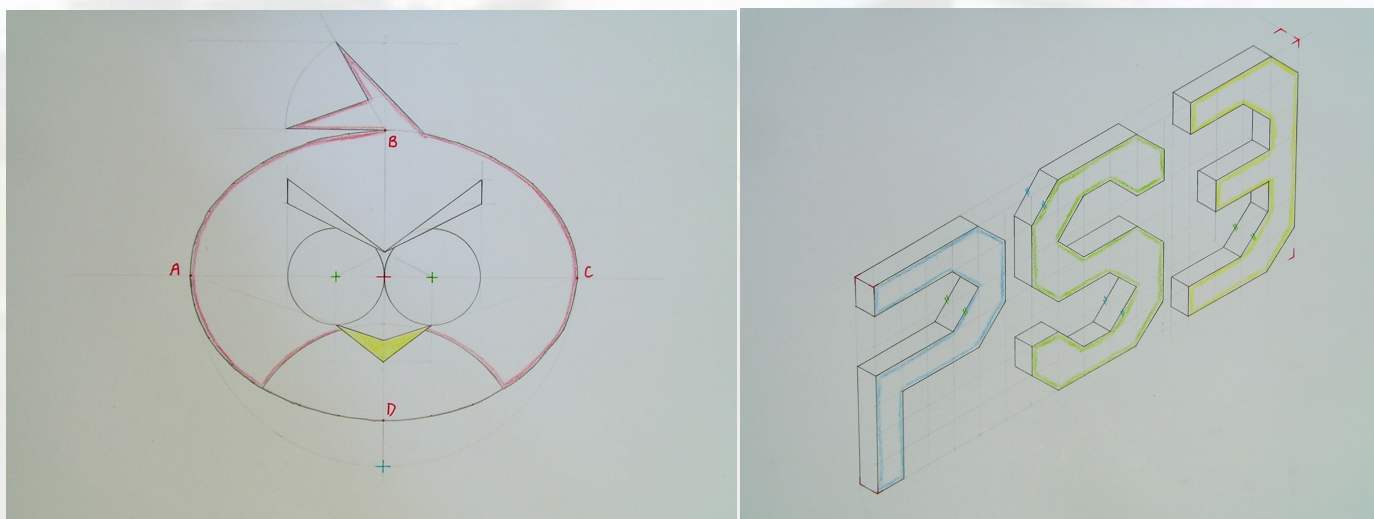
3D Printer in Room 16

Project and Written Examination

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 30% of the final SEC grade with the final exam accounting for the other 70%.



Sample of 1st Year student drawings



Sample of past Junior Certificate drawings

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.