

Graphics

What is graphics?

Graphics is one of the technology subjects offered here at **CBS Kilkenny** for Junior Cycle. In Graphics you will learn how to represent 3-D objects on paper and on computer programmes. You will develop problem solving and creative thinking skills through the solution of graphical problems.

Why should I study Graphics?

Studying Graphics gives you the opportunity to work in a classroom that is active and centred around the students. Throughout the course, students will explore the geometric world to gain an appreciation of the importance of graphics in the world around them. They will develop cognitive and practical skills such as graphical communication, spatial visualisation, creative problem-solving, design capabilities and modelling, both physically and through the use of computer-aided design.

What will I learn?

Some of the things you will learn include:

- how to produce drawings using drawing equipment, freehand sketches and computers
- how to read and interpret drawings and diagrams
- how graphics relate to the design and manufacture of products.

How will I learn it?

Some of the things you may do with your teacher and your classmates are:

- produce board drawings of everyday items
- create 3D models of recognisable items on the computer
- use freehand sketching, colouring and rendering to represent objects
- work on your own and as part of a group
- organise and maintain a portfolio of drawings and notes.

How will I know how I'm getting on?

Students will be able to note their progression throughout the three-year course by critiquing their finished drawings and computer files under the following areas:

- Quality of craftsmanship

- Application of principles
- Freehand sketching

How will it be assessed?

The assessment of Graphics for the purposes of the Junior Cycle will consist of:

- Classroom-Based Assessments;
 - Communicating through sketching
 - Graphical presentation skills
- A project (30%)
- A final examination (70%)

Will it be relevant to any of my other subjects?

Graphics has close links to all other technology subjects, Wood Technology and Technology.

Each of these subjects requires students to be able to read as well as draft drawings of pieces you will be making.

Graphics incorporates a lot of problem solving which will be very useful in Mathematics also.

How will studying Graphics benefit me?

Graphics helps you to think in a more logical and creative way. You will be able to communicate information using diagrams and sketches. You will have learned how to present information in a neat and organised fashion. This subject will be of use to you if you want to progress into career areas such as architecture, product design or engineering.