

# Possible Career's

**Engineer**

**Mechanic**

**Electrician**

**Graphics Design**

**Architecture**

**Product / Industrial  
Design**

**Fabricator**

**Computer Aided Design  
Technician**

**and many more.....**

# What's after Junior Cert?

Leaving Cert. Engineering (Engineering Technology) builds on what you learned in Junior Cert Metalwork. However, the topics are covered in much greater detail and a higher level of skill is necessary in practical work.



**FURTHER INFORMATION CAN BE  
FOUND ON:**

[www.technologystudent.com](http://www.technologystudent.com)

[www.practicalstudent.com](http://www.practicalstudent.com)

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**St. Mary's CBS  
Portlaoise**



# Metalwork

# Metalwork

Metalwork is one of the technology subjects offered at junior cycle. It is an activity-based course focusing on metal, how to work with it and how to assemble different parts. Other materials such as plastics and wood are also investigated and used in project work. You will be working with basic electronic components too.



# Areas Studied:



- ◆ Examine the properties of different metals, plastics and wood
- ◆ Examine simple mechanisms and how things work
- ◆ Learn how to do freehand sketching
- ◆ Develop good craft skills using hand tools and machines in a safe way
- ◆ Learn many different methods of joining and assembling materials
- ◆ Learn how to apply a variety of decorative finishes to your project work
- ◆ Learn about basic electronic components and how to construct simple circuits.

# Junior Cert Exam

There are two (or three) parts to the exam:

- ◆ Coursework project - there is a project worth 37.5% at Higher level or 75% at Ordinary level. You will have approximately four months to make it
- ◆ Written examination - the written paper is based on metalwork theory and makes up 25% for both levels
- ◆ Practical exam (Higher level only) - this is worth 37.5% of the total marks for Higher level. This involves making and assembling parts from a given drawing and you will have three hours to do this.

