

Construction Studies





What's involved?

Theory

Construction studies, as the name suggests is the study of all aspects associated with building a house. In more recent years there is a strong focus on the environmental impact of a building and the huge role it plays in tackling 'Global warming'.

Practical

Students woodwork skills are further developed by working to a higher degree of detail compared to that of junior cert MTW.

Topics covered (in theory classes)

- Architecture, planning permission & sustainable design
- Substructure: Foundation types & suitability. Concrete properties. Soil investigation.
- Superstructure: Floor types. Wall, window & door details. Stairs construction. Roof details. *This will include DRAWING DETAILS using drawing equipment.*
- Services: Eco-friendly plumbing and heating systems, lighting, sound, waste water disposal. Safety.
- Environmental sustainability and Passive design: Low environmental impact features, renewable energy, NZEB standard.

The theory is worth 50% of the overall marks.

Practical

In practical classes students will further develop their manipulative skills by preparing for the 'Practical exam'. This is a 4 hour exam in April/May of 6th year. It includes marking out, processing and assembly. **The practical exam is worth 25% of the overall marks.**

Student will also be required to design and make their own project and produce a folio similar to that of junior cert MTW. **The project & folio combined are worth 25% of the overall marks.**

Previous project work



Levels

The syllabus is offered at both levels:

- Higher
- Ordinary



Careers

- Urban and Rural Planning
 - Archaeology
 - Estate Agency
 - Environmental Protection
 - Surveying
 - Architecture
 - Landscape Architecture
 - Transport and Communications
 - Local Government
 - Education
 - Teaching
 - Development Control
 - Agriculture
 - Forestry
 - Quantity Surveyor
 - Acoustic Control
 - Property Developer
 - Geology
 - Fire Officer
 - Health Officer
 - Trade Apprenticeships
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Want to know more?

- Contact Mr. Hendrick or Mr. Byrnes
- Check out these websites:
 - www.constructionstudies.ie
 - www.curriculumonline.ie
 - www.technoteachers.ie
 - www.apprenticeship.ie