

## CHEMISTRY

Leaving Certificate chemistry aims to stimulate and sustain learners' interest in, and enjoyment of, chemistry while developing an understanding of the fundamental principles underlying chemical phenomena.

Learners will use their knowledge and understanding of chemistry to pose scientific questions, define scientific problems, and use scientific arguments and ideas to illustrate how humanity has benefited from the study and practice of chemistry.

## St. Tiernan's Community School



*“The creative Science”*

Thorium 90 <b>TH</b> 232.04	Iodine 53 <b>I</b> 126.90	Nitrogen 7 <b>N</b> 14.01	Potassium 19 <b>K</b> 39.10
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Studying chemistry will lay the foundation of an science based career pathway. Studying chemistry will form the foundations for a career in:

- Doctor
- Chemical Engineer
- Chemistry Teacher
- Forensic Scientist
- Geochemist
- Hazardous Waste Chemist
- Materials Scientist
- Pharmacologist
- Toxicologist





The Leaving Cert exam is three hours in duration. You must answer at least two questions from Section A (experiment section) and a maximum of six questions from Section B.

There are eleven questions in total on the exam paper, each carrying 50 marks.

There is no element of continuous assessment in Chemistry, but experiment copies must be available for inspection by the State Examinations Commission. of four such experiments in the exam.



Identification of metal present in various salts (flame test)



## Why should you study Chemistry

Science is as much a way of thinking as it is a subject. In today's information dense world science teaches us how we should interpret and utilise all this information. It allows us to question the information that is presented to us in an unbiased and critical way.

Chemistry allows you develop a sense of respect for the world around you. Everyone and everything is made up of various amounts of the same elements. We are all star dust!



Trends in the periodic table (Reaction of Alkali metals with water)