

Transition Year Unit.



SAINT VINCENT'S
CASTLEKNOCK COLLEGE

Subject: Chemistry

Number of Periods per week: 2 periods a week

Class Teacher: ED

Aims and objective:

Introduce students to chemistry as a leaving cert subject

Discuss the importance of acids & bases and their uses in everyday life and in the lab.

Practice and carry out titrations and understand the importance of titrations in chemistry.

Understand the basis of organic chemistry and the naming system used.

Learn how to balance chemical equations.

Appreciate the work of chemists and research some well know chemists in the world of science.

Course content:

1. Acids & Bases – learn about natural indicators and lab indicators. Prepare and use natural indicators.
2. Titrations – carry out an acid and base titration, observe and understand the process of neutralisation.
3. Balancing chemical equations – understand how to balance chemical equations and their importance across chemistry.
4. Chemistry behind bath bombs – learn the science of how bath bombs work and prepare bath bombs in the lab.
5. Organic chemistry – learn and use the naming system for organic compounds.



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Method of assessment:

Students will produce a project on a well-known chemist and the impact their work had on the world – 60%

End of module exam – 20%

Classwork (including experiment write ups and participation in class) – 20%

Digital Learning Skills :

Students will submit their project online using Microsoft teams.

Students will use and gain research skills while producing their project.

All homework will be assigned through Microsoft teams.

