

# St Ninian's High School Chemistry Department



## *S1 Options Evening Information Leaflet*

### Chemistry Department Staff

Miss Hall (Principal Teacher)  
Ms Ali  
Mrs Boyle (DHT)  
Mrs Calder  
Ms Gibson  
Ms Hastie  
Ms Kennedy

Miss Martin  
Mrs Morton  
Mr O'Donnell  
Mr Power  
Miss Quinn (NQT)  
Mrs Wilson (DHT)  
Mr Young (PT SfL)

### S2 Chemistry Course Outline

#### Unit 1 - Becoming a Chemist

In this unit, pupils will be introduced to the world of chemical reactions and the ways in which we can alter the rate of these. Pupils will build upon their knowledge of the Periodic Table from S1. They will learn about the structure of an atom and how atoms interact with one another, allowing pupils to explain how properties of substances arise.

#### Unit 2 - Chemistry of Life

Our S2 Chemists will explore the Chemistry that happens all around us and develop an understanding of some key chemical reactions. Through practical activities, they will discover analysis techniques, allowing them to identify substances and apply their learning to real-life contexts.

#### Unit 3 - Everyday Chemistry

Pupils discover many natural and industrial processes which involve the chemistry of acids, alkalis and metals.

#### Unit 4 - Chemistry for the Future

Pupils will gain an understanding of Chemistry's role in scientific issues and innovations which impact on our everyday lives. How the chemical industry impacts on society and the environment will be explored. In this final unit, we aim to support pupils to develop a mindset that enables them to challenge global issues facing our modern world.

#### Homework and Assessment

Homework is issued on a regular basis to assess pupils' understanding of the learning taken place in the classroom. It provides the opportunity for pupils to receive feedback to support them in progressing on their learning journey.

Pupils undertake a written assessment at the end of each unit. They will also carry out a practical investigation during each unit which is used to assess their practical and reporting skills.

## Learner Pathways

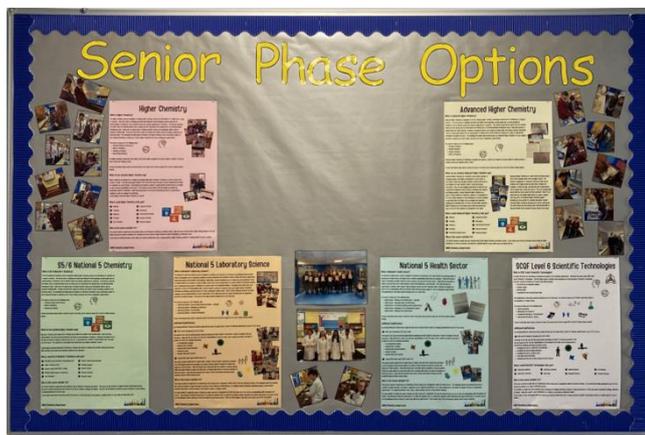
A number of curriculum pathways are available to pupils across the Chemistry Department to meet individual needs. Appropriate progression opportunities are provided to pupils based upon the pathway that they follow.

The qualifications we currently offer in the department are:

- National 3 Chemistry
- National 4 Chemistry
- National 5 Chemistry
- National 5 Health Sector
- National 5 Laboratory Science
- Higher Chemistry
- Level 6 NPA Scientific Technologies
- SCQF Levels 4-6 Young STEM Leader Award
- Advanced Higher Chemistry



Our Senior Phase Options display board contains information about some of the qualifications on offer to S5/6 pupils.



## Skills Development

Throughout the S2 Chemistry course, pupils have the opportunity to develop scientific inquiry and investigative skills as well as analytical thinking skills.



Pupils will make use of technology and a range of chemical apparatus through safe and purposeful practical work. Skills will be developed which are essential for the Senior Phase curriculum and beyond and are also transferrable across curricular areas.

This opportunity for skills development will provide pupils with a range of skills which they can continue to develop as they progress through a range of curricular pathways, and onto positive and sustainable destinations.

