

St. Nathy's College

Subject Department Plan

For:

Chemistry

Year:

2010 / 2011

1. Subject Aims:

- To stimulate and sustain students interest in and enjoyment of Chemistry.
- To provide a relevant course for those students who will complete their study of Chemistry at 2nd level.
- To develop an appreciation of scientific method and rational thought.
- To develop skills in the lab procedures and techniques carried out with regard for safety.
- To develop skills at observation, analysis evaluation, communication and problem solving.

2. Subject Objectives:

1. KNOWLEDGE

- Students should know basic terminology, facts and methods.
- How Chemistry contributes to the Social, Historical, Environmental, Technological and Economic life of Society.

2. UNDERSTANDING

- Students should understand
- Basic Physical and Chemical Principles
- How Scientific method contributes to daily life and applies to Chemistry
- How Chemical problems can be solved.

3. SKILLS

- Students should be able to
- Perform experiments safely and co-operatively
- Make accurate observations and measurement

Time Allocation:

5 Class periods comprising of 1 double class and 3 single classes.

Options Structure:

As part of a band subject – one of 4 subjects that students can choose from.

Timetabling:

As mentioned already 1 double class and 3 single classes – all in the laboratory.

Textbooks and Course Materials:

Year	Textbooks	Course Materials
1st	N /A	
2nd	N /A	
3rd	N /A	
5th Year	CHEMISTRY LIVE BY DECLAN KENNEDY PUBLISHERS (FOLENS)	
Leaving Cert.	CHEMISTRY LIVE BY DECLAN KENNEDY PUBLISHERS (FOLENS)	

Subject Planning for a Culturally Diverse Society:

- We cater as best we can for all students who take on Chemistry
- We relate to the Book, Internet, Papers, magazines etc. to keep up with what is going on in Chemistry around us.

Range / Variety of Resources:

Chemicals are plentiful
Glassware in abundance
I.T. us present
DVD

The need for more funding to cater for group work would help especially with bigger numbers.

Availability / Use of ICT Facilities:

We are lucky in this area we have more or less a projector and laptop in each Science Room.

Ideal for Chemistry
Broadband is there

- No data logging equipment though.

Curriculum Content- Long Term Planning

Content to be covered in each Year of Programme

Year 1

N / A

Year 2

N / A

Year 3

N / A

Curriculum Content- Long Term Planning

Content to be covered in each Year of Programme

Year 5 – Leaving Cert Year 1

Chapters 1 – 14 (inclusive) are studied in Year 1

Year 6 – Leaving Cert Year 2

Chapters 15 – 24 are studied in Year 2 along with Exam Papers in Chemistry

Record Keeping Procedures:

Each individual teacher keeps a record of results, behavioural attitudes, attendance etc. in their chemistry class. We also keep an accident report sheet – if the need arises.

Reporting Procedures:

If there are reporting procedures it first of all goes to the class tutor then to the Year Head then to the Vice Principal and if needs be to the Principal himself.

Each student has a diary and each teacher has access to it to record anything that needs to be recorded.

We have Parent / Teachers meetings annually

DES Subject Department Inspection:

Date:

Recommendations: N / A

Outline of plan to address recommendations: N / A

