

S2 Chemistry

St. Ninian's High School



Course structure



Substances and Reactions



Gases and Life

Acids, Alkalis and Metals



Fuels and Hydrocarbons



S2 Timeline

S2 Chemistry 2018-2019

Week No.	Week Beg.	S2 Chemistry		Homework guide	
39	04 Jun 18	Substances and Reactions		HW exercises 1-11 and personal studying	
40	11 Jun 18	Elements & The Periodic Table			
41	18 Jun 18	Classifying Elements			
1	13 Aug 18	IS	IS		Revision/ Compounds and mixtures
2	20 Aug 18	Compounds/ Naming compounds			
3	27 Aug 18	Formulae/ Word equations			
4	03 Sep 18	Chemical Reactions			
5	10 Sep 18	Factors Affecting Rate	1st I report		
6	17 Sep 18	Factors Affecting Rate			H
7	24 Sep 18	H	<i>Substances and Reactions TEST</i>		
8	01 Oct 18	Gases and Life		HW exercises 12-17 and personal studying	
9	08 Oct 18	Gas Tests, Composition of Air			IS
	15 Oct 18	OCTOBER WEEK			
10	22 Oct 18	Burning Fossil Fuels			
11	29 Oct 18	Greenhouse Effect			
12	05 Nov 18	Plants			
13	12 Nov 18	Carbohydrates			
14	19 Nov 18	Energy from Food			
15	26 Nov 18	Digestion			
16	03 Dec 18	<i>Gases and Life TEST</i>			
17	10 Dec 18	Acids and Metals			
18	17 Dec 18	Hydrogen			
19	07 Jan 19	Hydrogen			
20	14 Jan 19	Acids and Alkalis	2nd I report		

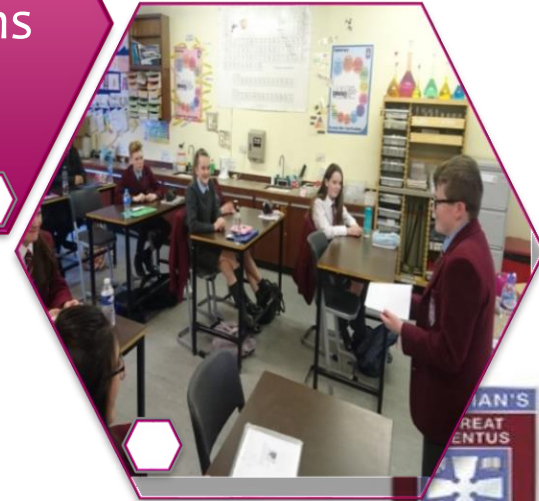


Learning Activities

Practical Investigations

Presentations

Consolidation of Learning



Pupil Expectations



Participate in activities



Best effort in class work and homework



Work safely



Revise for tests

Skills Developed

* Constructing graphs & tables

* Presentation skills

* Practical investigations

* Group working skills

* Personal safety during experiments

* Fair testing

* Recording observations & results

* Scientific inquiry

* Drawing conclusions

* Manual dexterity

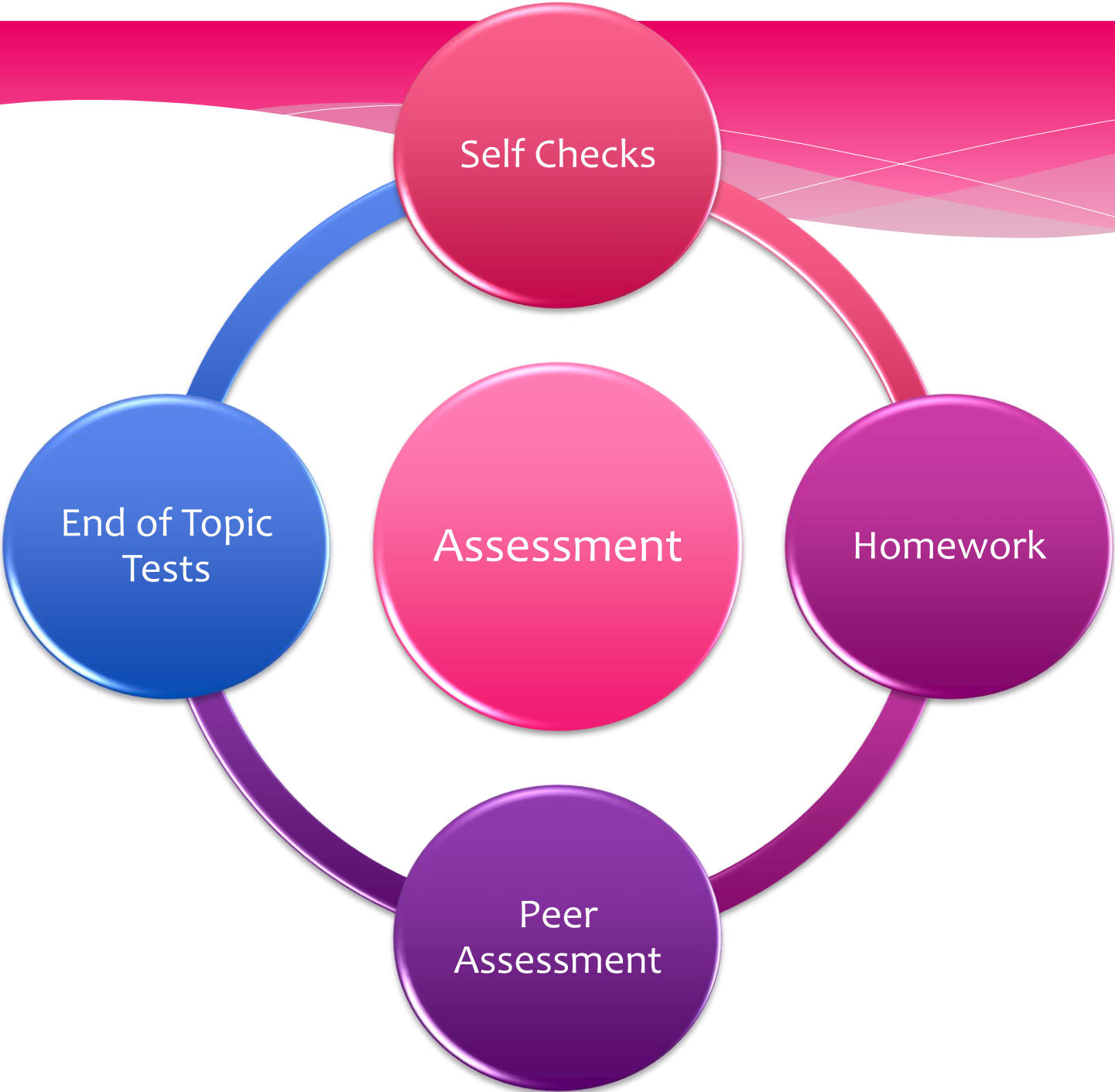
* Report writing

* Following instructions

* Study skills

* Analysing & interpreting





Self Checks

Assessment

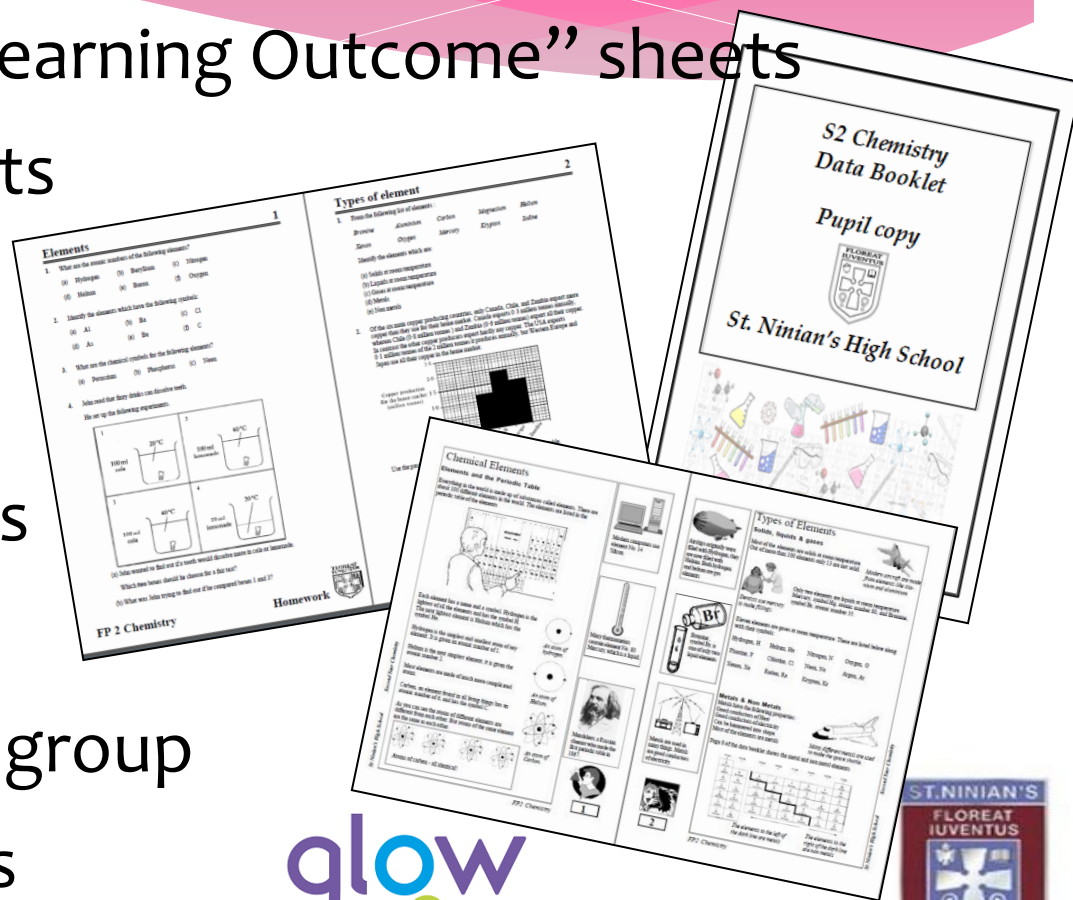
Homework

Peer Assessment

End of Topic Tests

Resources

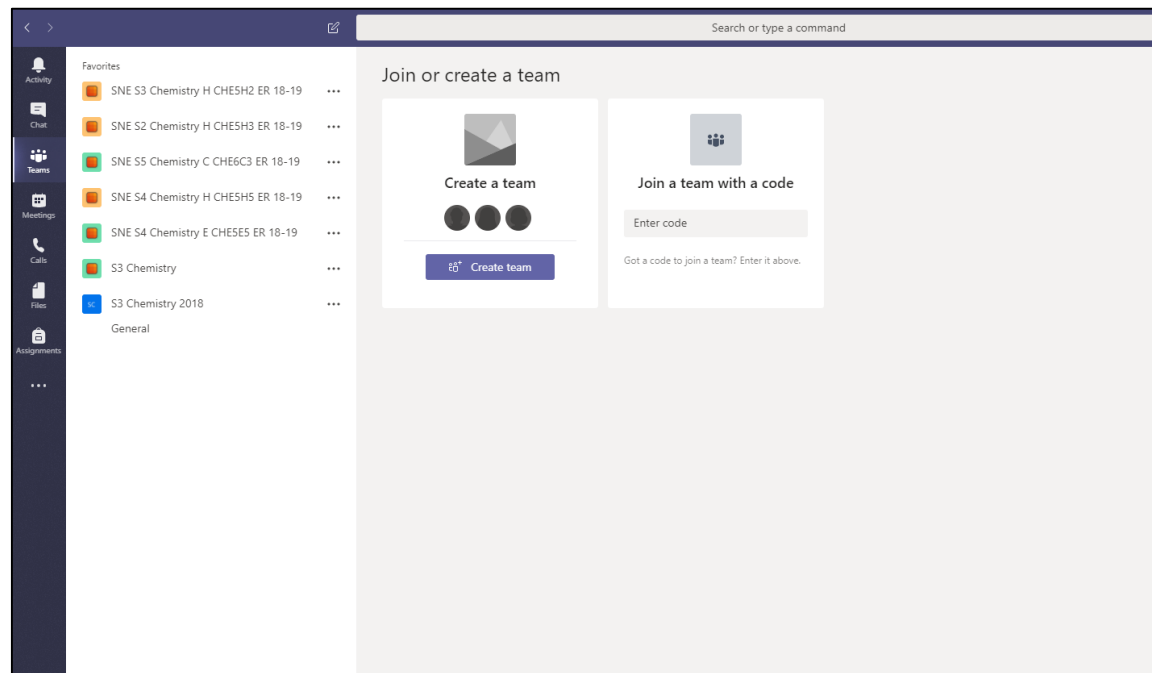
- * Printed notes & “Learning Outcome” sheets
- * Homework Booklets
- * SQA Data Booklet
- * Timeline
- * Self Check Booklets
- * Chemistry website
- * S2 chemistry Glow group
- * S2 Microsoft teams



How to join the S2 Chemistry Microsoft team

Enter the S2 code into the right hand box.

idveh9v



Departmental support for pupils

- **Homework** – Weekly exercises and learning tasks are prescribed.
- **Teacher feedback** - Regular teacher feedback given.
- **‘Open door’** - help and advice available from all staff as necessary.
- **Assessment**- regular and meaningful summative tests (please refer to timelines).
- **Tracking** – rigorous and regular monitoring of progress.



Additional resources

For Fuels and Hydrocarbons:

* <http://www.bbc.co.uk/education>



* <http://evans2chemweb.co.uk>

Evans²
CHEM WEB

Username: snhs Password: giffnock

* Follow us on Twitter: [@SNHSChemistry](https://twitter.com/SNHSChemistry)



Learner pathways

- **S2 Chemistry**– All pupils work through the S2 Chemistry course.
- All S3 pupils begin working through a combined National 4/5 course for one unit. Average assessment results from this unit, combined with the previous data from S1/2 help to inform the appropriate pathway for National courses.
 - **National 4**
 - Pupils will start the National 4 course in S3 and complete in S4. Pupils can then pursue National 5 in S5 and Higher in S6.
 - **National 5**
 - Pupils will start a National 5 course in S3 and complete in S4. Pupils can then pursue Higher in S5 and Advanced Higher in S6.



S2 Chemistry Club



S2

CHEMISTRY
CLUB



Thursday Lunchtimes
Starting the 13th September
Lab 7—12:25

See Mr. Young, Mr. Wiggins
or Miss Gillespie if you have
any questions!



CREST
Awards



Chemistry Achievements in S2

- * Following on from Science Superstars in S1, S2 pupil achievement is celebrated through the S2 Chem Star award.
- * Two categories:
 - * Effective contributor
 - * Successful learner



What S2 pupils say about Chemistry?



“I like experiments and quizzes” Matthew Leith

“In chemistry I enjoy attempting the experiments and doing practical work. It helps you with problem solving” Mahnoor Nazeer

“I like the homework because it’s challenging and great fun” Osaze Osunde

“I enjoy making posters and doing experiments and reports for example burning beakers” Olivia Hannah

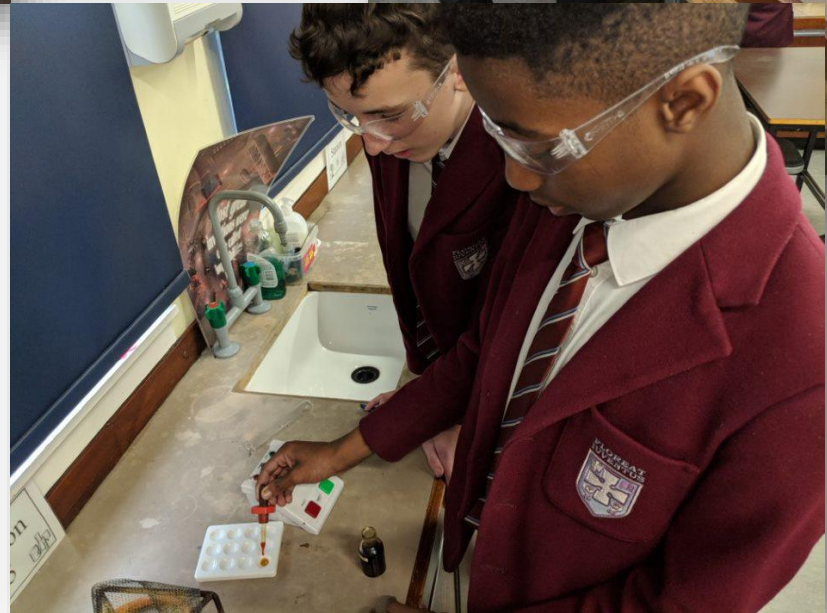
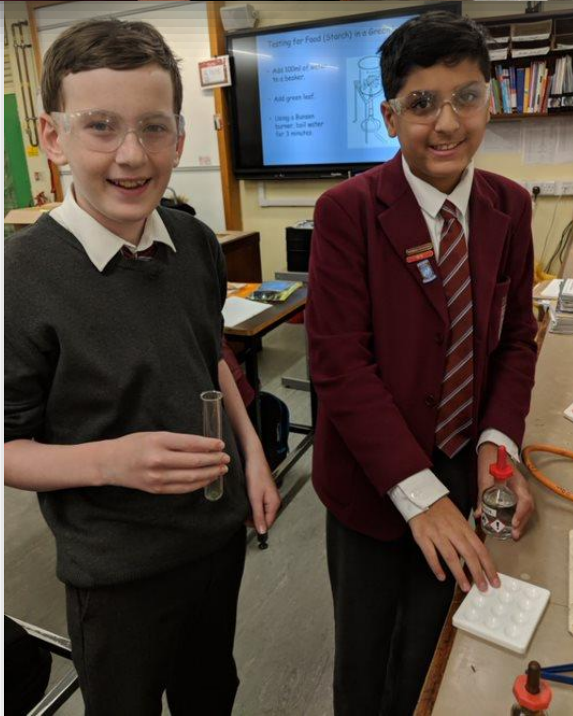
“In chemistry I enjoy doing experiments and show-me boards” Minnah Ahmed

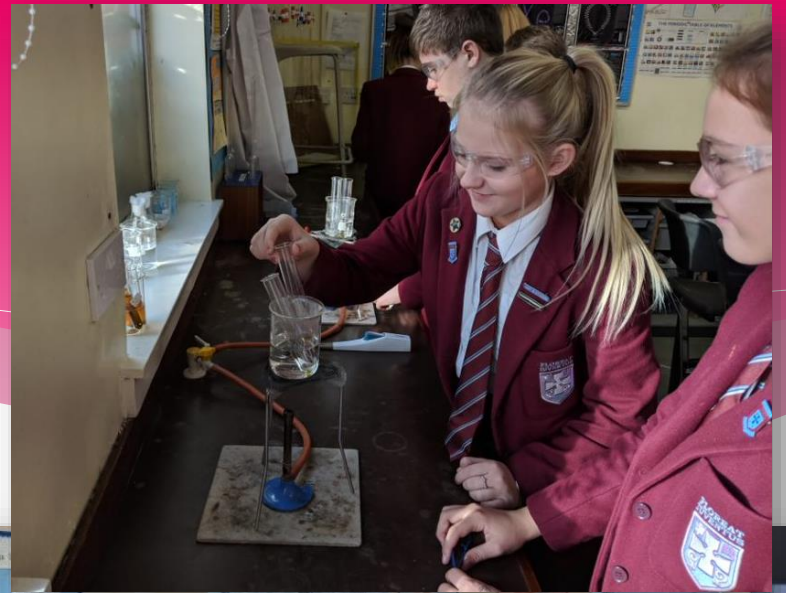
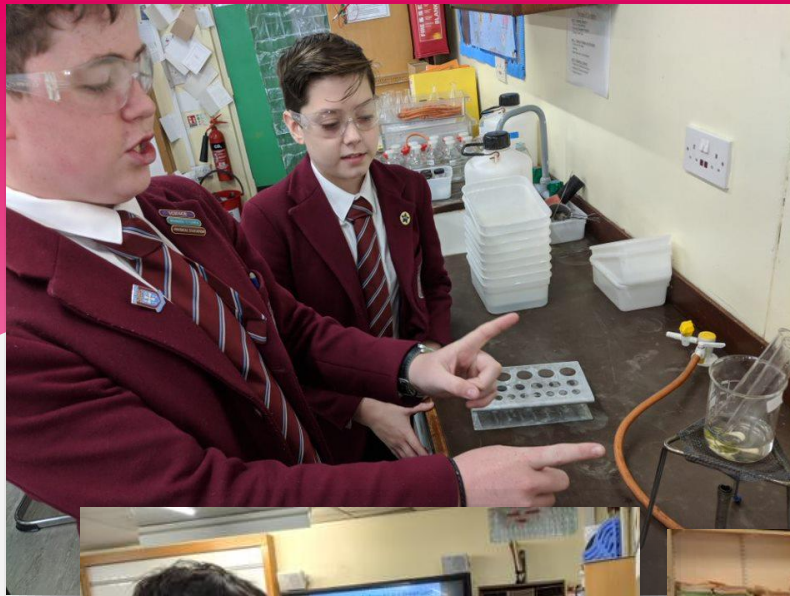
*“I love chemistry experiments. They are very fun and you get to work with a partner”
Gabriel Kelly*

“I like doing experiments because they are very accurate and you can see changes in solutions etc. My favourite experiment was photosynthesis” Patrick Callan

“I love chemistry because I enjoy learning about how the world works and how climate change is effecting the world” Charlie Barr







Thank you