

Science Year 7

Course outline:

Year 7 is taught in 4 cycles three topics in each. At the end of each cycle all 3 topics are assessed in one SATS style exam. Assessments 1,2 and 3 count equally towards your end of year level and will be used to decide a learners set. Assessment 4 will be used to fine tune any setting issues. Pupils are taught in mixed ability groups based on form classes.

Cycle 1

7A Cells	7E Acid and Alkalis	7I Energy Resources
----------	---------------------	---------------------

Cycle 2

7B Reproduction	7F Simple Chemical Reactions	7J Electrical Circuits
-----------------	------------------------------	------------------------

Cycle 3

7C Environment and feeding relationships	7G Particle model states of matter	7K Forces and their effects
--	------------------------------------	-----------------------------

Cycle 4

7D Variation and Classification	7H Solutions	7L The solar system and beyond
---------------------------------	--------------	--------------------------------

Resources:

Students have the opportunity to purchase a course guide for £2. This will be their book to keep and will build into a revision library for the KS3 SATs exams. It is strongly recommended that this resource is bought.

An electronic text book is also available for pupils to use in school.

www.lgfl.net (click on e-learning) is a good portal for online lessons as is SAM learning.

Homework:

Learners always have homework in the form of revision and reading of notes.

In addition learners will receive a Level assessed task, activities from the coursebook, spellings and research homeworks per unit.

Science Year 8

Year 8 is taught in 4 cycles three topics in each. At the end of each cycle all 3 topics are assessed in one SATS style exam. Assessments 1,2 and 3 count equally towards your end of year level and will be used to decide a learners set. Assessment 4 will be used to fine tune any setting issues. In each half year group there are four groups divided into three broad ability bands. Eah class has two teachers.

Cycle 1

A Food and Digestion	E Atoms and Elements	I Heating and Cooling
----------------------	----------------------	-----------------------

Cycle 2

B Respiration	F Compounds and Mixtures	J Magnets and electromagnets
---------------	--------------------------	------------------------------

Cycle 3

C Microbes and disease	G Rocks and weathering	K Light
------------------------	------------------------	---------

Cycle 4

D Ecological Relationships	H The Rock cycle	L Sound and Hearing
----------------------------	------------------	---------------------

Resources:

Students have the opportunity to purchase a course guide for £2. This will be their book to keep and will build into a revision library for the KS3 SATs exams. It is strongly recommended that this resource is bought.

An electronic text book is also available for pupils to use in school.

www.lgfl.net (click on e-learning) is a good portal for online lessons as is SAM learning.

Homework

Learners always have homework in the form of revision and reading of notes.

In addition learners will receive a Level assessed task, activities from the coursebook, spellings and research homeworks per unit.

Science Year 9

Year 9 is taught in 4 cycles. The first two cycles are assessed in two SATS style exams. At the end of the third cycle pupils will take their actual exam. The fourth cycle is continuously assessed in class. In addition students will have the opportunity to complete a skills booklet. SATS scores will be used to set pupils in Year 10 as well as the end of cycle tests. In each half year group there are five sets. Sets 1,2 and 3 each have a subject specialist teacher and are taught with the expectation to be entered into the 5-7 level paper. Sets 4 and 5 have two teachers and are taught with the expectation of being entered for 3-6 level paper.

Cycle 1

Inheritance and selection Fit and healthy	Reactions of metals And patterns in reactivity	Energy and Electricity and Gravity and Space
--	---	---

Cycle 2

Plants and Photosynthesis and Plants for Food	Environmental Chemistry and Using Chemistry	Speeding Up Pressure and Moments
---	---	-------------------------------------

Cycle 3

SATS PREPARATION

Cycle 4

POST SATS PROJECTS Designed to improve skills for KS4
--

Resources:

Students have the opportunity to purchase a course guide for £2. This will be their book to keep and will build into a revision library for the KS3 SATs exams. It is strongly recommended that this resource is bought.

An electronic text book is also available for pupils to use in school.

www.lgfl.net (click on e-learning) is a good portal for online lessons as is SAM learning.

Homework

Learners always have homework in the form of revision and reading of notes.

In addition learners will receive a Level assessed task, activities from the coursebook, spellings and research homeworks per unit.

Science Year 10

Courses followed:

During Key stage 4 pupils learn about the way science and scientists work within society. They consider the relationships between data, evidence and theories and explanation and develop their practical and problem solving and enquiry skills working individually and in groups. They evaluate enquiry methods and conclusions both qualitatively and quantitatively and communicate their ideas with clarity and precisions.

All pupils develop their ability to relate their understanding of science to their own and others' decisions about lifestyles and to scientific and technological developments in society.

Most pupils also develop their understanding and skills in ways that provide the basis for further studies of science and related areas.

We offer three courses : GCSE Science, GCSE Science and Additional Science (Dual) and the three separate sciences (Separates)

Structure

Course	Biology Topics	Chemistry Topics	Physics Topics	Assessment All dual and Separate will complete the GCSE Science course assessment as detailed below. GCSE Science students will only carry out the assessment requirements for
Science Dual Separates	B1a Environment Genes	C1a Patterns in Properties Making Changes	P1a Producing and Measuring Electricity You're in Charge	
Dual Separates	B1b. Electrical and Chemical Signals Use, Misuse and Abuse	C1b There's One Earth Designer Products	P1b Now You See it, Now You Don't Space and its Mysteries	
Separates only	B2 Inside living cells and divide and develop	C2 Synthesis and in Your element	P2 As fast as you can ! and relativity.	

B1a, C1a and P1a

60% External 40% Internal

External = 6 times tiered multiple choice exams

B1a C1a and P1a to be taken in March B1b C1b and P1b to be taken in June

Internal - 10% Practical Skills. Doing Tasks assessed in lessons marked out of 18

Three aspects following instructions, collecting and presenting results

30% Assessment Activities - 12, one for each topic - One biology, one chemistry and one physics needed. Completed as end of topic tests. Best performance in science cashed in.