SCIENCE FACULTY KS3 / KS4 / KS5 MARKING and ASSESSMENT POLICY and ASSESSMENT PLAN (Revised December 2017)

Students' knowledge, understanding and skills are assessed through a range of **formative** and **summative assessment** opportunities at KS3 / KS4 / KS5:

Assessment

For KS3 and KS4 along with or as part of their homework the students complete a number of tasks over the year, these may include; homework, topic tests, topic assessments and end of year exams. These may be use to provide regular effective written feedback to students.

These are designed and chosen to assess their knowledge, understanding, skills and progress across the science curriculum.

These assessed tasks will be returned to students as soon as possible after assessment, with general verbal feedback to the class to support more specific, individual written feedback if the professional judgement of the teacher is such that they deem written feedback is necessary.
What the students should do to improve is detailed in **"Next Steps"** in any assessment which has been given effective written feedback.

KS3 SCIENCE ASSESSMENT PLAN - Assessment in Years 7, 8 and 9

Students' knowledge, understanding and skills in Biology, Chemistry and Physics are assessed through a range of assessment opportunities:

ASSESSMENTS TASKS, TESTS and EXAMS

	Term	topic	Unit	KAT or TEST or EXAM
YEAR 7	**Autumn 1**	**Intro**	**Introduction to Science**	Writing a plan and drawing a results table *Heating water practical*
	Autumn 2	**1**	**Matter and its reactions**	Drawing results tables and graphs *Candle investigation*
	Spring 1	**2**	**Forces and their effects**	Graph drawing and evaluation skills *Forces*
	Spring 2	**KS3 Test on Units 1+2**		
	Summer 1	**3**	**How are we made?**	Reproduction and cells *Race to make a baby*
	Summer 2	**4**	**Energy and electricity**	Electrical circuits and models *How does a torch work?*
		End of Y7 KS3 EXAM on Units 1-4		
YEAR 8	**Autumn 2**	**5**	**Ecology & classification**	Predators and prey *Hunter's success*
	Spring 1	**6**	**Elements, compounds, mixtures**	Patterns of reactivity *Displacement disco*
	Spring 2	**7**	**Energy Transfer**	Energy transfers *Investigating insulation*
		KS3 TEST on Units 5, 6, 7		
	Summer 1	**8**	**Staying alive**	Health and microbes *The dodgy BBQ*
	Summer2	**9**	**The Earth**	Geological changes *Investigating limestone*
		End of Y8 KS3 Exam on Units 5-9		
YEAR 9	**Autumn 1**	**10**	**Forensics**	Inheritance and selection *Creation in Science*
	Autumn 2	**11**	**The need for speed**	Forces *Bungee testing*
		12	**Atomic Structure and chemical reactions**	
		Units 10-12		Forensics, Speed, Atomic Structure and Chemical Reactions

- KS3 units may include baseline tasks to identify students' prior knowledge of the topic. These are self- or peer-assessed by students
- KS3 units may include assessment for learning tasks to highlight the progress students have made during a topic and allow students to identify their "Next Steps" in their learning. These are self- or peer- assessed by students.
- KS3 students enter their assessment/grade onto their **Progress Tracking Sheet** at the front of their book.

- **Y9 GCSE work - January onwards – assessment details as for the KS4 assessments**

KS4 SCIENCE ASSESSMENT PLAN

GCSE Pathway	Autumn 1st half	Autumn 2nd half	Spring 1st half	Spring 2nd half	Summer 1st half	Summer 2nd half
Y9 COMBINED SCIENCE (Dual	COMPLETION of KS3	Autumn Test	Assessment task.	Assessment task.	Assessment task.	End of Y9 exams (Biology, Chemistry and Physics)
Y10 COMBINED SCIENCE and Separate Sciences	Assessment task.	Assessment task.	Assessment task.	Assessment task.	Assessment task.	End of Y10 exams (Biology, Chemistry and Physics)
Y11 COMBINED SCIENCE and Separate Sciences	Assessment task.	Mock exams (Biology, Chemistry and Physics)	Assessment task.	Practice exams (Biology, Chemistry and Physics)	Practice exams (Biology, Chemistry and Physics)	External exams.

- Practice exams are self-assessed and/or peer-assessed by students using relevant mark schemes and GCSE grades 9 – 1 are awarded
- Topic tests and mock exams are marked by teachers usually within two to three weeks of the assessment.
- Topic tests are currently graded using indicative % boundaries judged from past papers. These reflect the variation in grade boundaries between Biology, Chemistry and Physics.
- Teachers use relevant GCSE mark schemes and grades 9 – 1 are awarded.
- Students enter their marks and grades onto their ‘record of achievement’ progress sheet which is stuck on the inside front cover of their exercise book or file.

KS5 SCIENCE ASSESSMENT PLAN - GCE Assessment in Years 12 and 13

TESTS, PAGs, EXAMS provide opportunities for staff to provide effective written feedback on a regular basis.

Students' knowledge, understanding and skills in Biology, Chemistry and Physics are assessed through a range of assessment opportunities

- Practice exam questions and practice exam papers are self- or peer-assessed by students or assessed by the teacher using relevant mark schemes. Grades A- E or U are awarded.
- Mock exams and PAGs are marked by teachers usually within two weeks of the assessment, using relevant AS/A Level mark schemes. Grades A - E or U are awarded for all but the PAGs, which are awarded a Pass or Fail.

Year and Course	**Autumn 1st half**	**Autumn 2nd half**	**Spring 1st half**	**Spring 2nd half**	**Summer 1st half**	**Summer 2nd half**
Y12 AS Biology, Chemistry, Physics	PAG skills assessments Practice exam questions Unit tests	**AS mock exams** PAG skills assessments	PAG skills assessments Practice exam questions Unit tests	PAG skills assessments Practice exam papers	**AS exams**	**A2** Module 1 Topic test
Y13 A2 Biology, Chemistry, Physics	PAG skills assessments Practice exam questions Unit tests	PAG skills assessments Practice exam questions Unit tests	**A2 mock exams**	PAG skills assessments Practice exam papers	**A2 mock exams**	**A2 external exams**