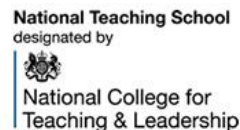




# 21<sup>st</sup> Century Science

How can we help your child succeed?



# 21<sup>st</sup> Century Science and your child

- All of your children are currently studying the core and additional elements of Biology, Chemistry and Physics.
- At the end of year 10, if your child is excelling we will look at them completing the final elements of the Separate Sciences courses in year 11.
- While the majority of year 11 will complete Core and Additional Science, where they achieve 2 grades as a combination of the 3 sciences they have studied.
- Why?
- It is important to us to put your child on the course that gives them the best possible outcome on results day next year.

# What's the difference?

- **Separate Sciences**

- 3 qualifications

- 21 units of study

- 9 exams

- 3 pieces of controlled assessment

- **Core and Additional Science**

- 2 qualifications

- 18 units of study

- 6 exams

- 3 pieces of controlled assessment

# The units of study

BIOLOGY	CHEMISTRY	PHYSICS
You and your genes	Air quality	The Earth in the Universe
Keeping healthy	Properties of materials	Radiation and Life
Life on Earth	Chemicals in our lives	Sustainable Energy
Processes of Life	Chemical Patterns	Explaining Motion
Growth and Development	Chemicals of the natural environment	Electric circuits
Brain and mind	Chemical synthesis	Radioactive materials
Further Biology	Chemistry for a sustainable world	Studying the Universe

# The Controlled Assessment

Course	Controlled assessment
Separate Sciences	A whole investigation in each of the 3 subjects
Core Science	A data analysis (mini investigation) A case study written project
Additional Science	A whole investigation from 1 of the 3 subjects

Parts of the controlled assessment can be done at home  
(limited control) other parts are done under exam conditions  
at school (high control)

There is **NO RE-DRAFTING ALLOWED**

# Assessments in 21<sup>st</sup> Century Science

Course	Assessments
Core Science	Exams B123 C123 P123 (3 in total) Data analysis Case study
Additional Science	Exams B456 C456 P456 (3 in total) Whole investigation
Separate Sciences	Exams B123 C123 P123 B456 C456 P456 B7 C7 P7 (9 in total) 3 Whole investigations

All exams take place at the end of year 11.

A **right first time** approach is needed as  
re-sits become very complicated!

# Our expectations of your child

- Deadlines are met.....really important with controlled assessment
- Attendance is good – if not a lot will be missed in a short space of time.....again really important with controlled assessment
  - Effort is consistently high
- Behaviour allows there to be a good working atmosphere in the room for effective learning to take place

# How you can help

- Make sure you know their exam dates once timetables are published
  - Help your child plan time for revision
- Help them have a quiet space and time for revision and practice
- Help them with a positive atmosphere. It is a stressful time for them and some struggle with motivation through fear of not doing well
- Contact us early if you see signs of low motivation or lack of willingness to revise at home. We can help.



# What else is out there?

- SAM learning
- OCR website (all past papers available here)
- Revision guides (sold in the prep room £3 each)
- 21<sup>st</sup> Century online homework
- Revision APPs (CGP)
- CGP website
- GCSE Bitesize (BBC website)