



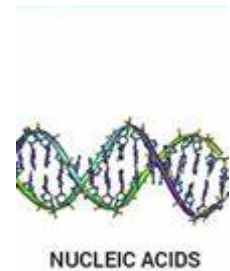
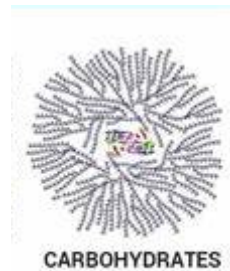
A - Level Biology 7402

Our Biology Team

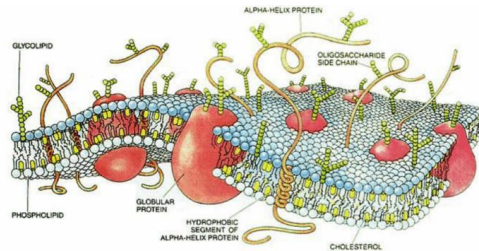
- Mrs Farnworth
- Mr Rowley

Year 1 (Y12)

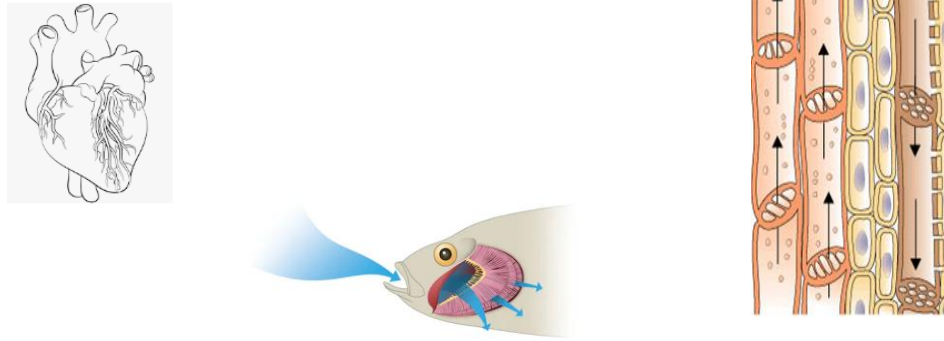
Biological Molecules; structure and function, carbohydrates, proteins, lipids, nucleic acids, water, ATP.



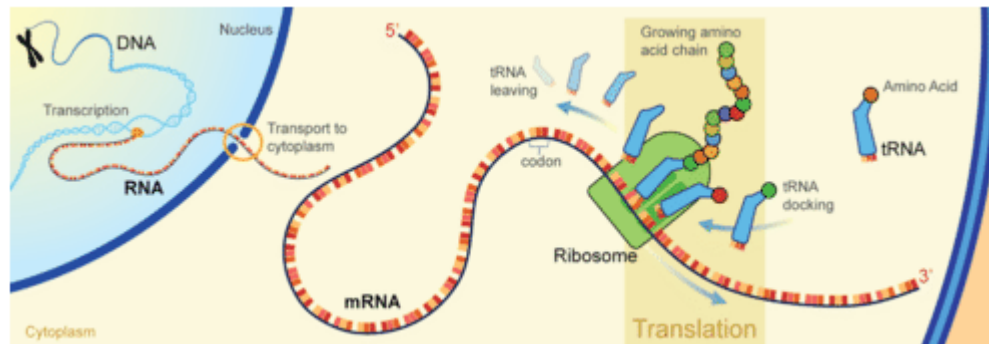
Cells; structures within cells, methods of studying cells, cell transport.



Organisms exchange substances with their environment; Gas exchange, mass transport, digestion and absorption.

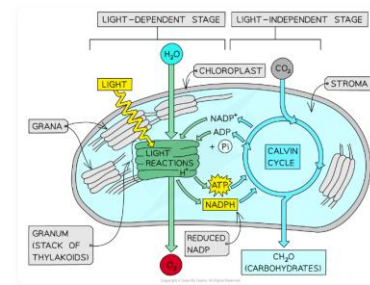


Genetic information, variation and relationships between organisms; DNA, protein synthesis, taxonomy.

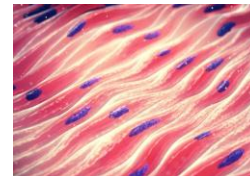


Year 2 (Y13)

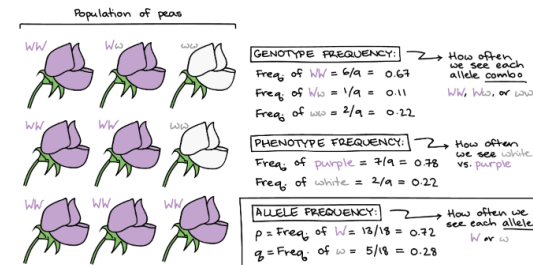
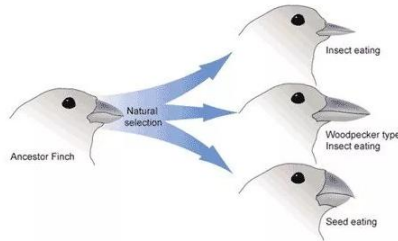
Energy transfers in and between organisms; Photosynthesis, respiration, nutrient cycles



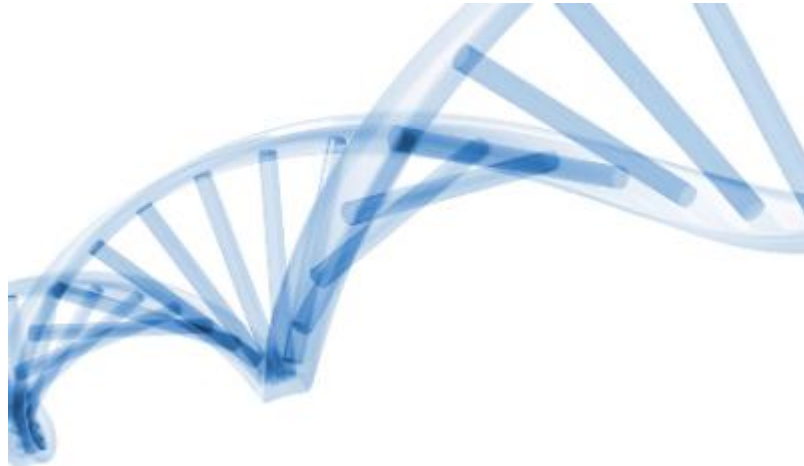
Organisms respond to changes in their internal and external environments; Homeostasis, muscle tissue, nervous system.



Genetics, populations, evolution and ecosystems; Speciation, collecting data, allele frequency.



The control of gene expression; Genomics, Genetic finger printing, PCR



What do our Students have to say?

'I like challenging topics, it gives me a sense of achievement when I get it. But I have to work at it'

'Get ahead and stay ahead, use the book in your study periods'

'Enjoyable because its hard'



HOW WILL I BE TAUGHT?

- 9 lessons per fortnight in Y12 + Y13
 - 7 developing knowledge and understanding
 - 2 developing practical skills including completion of required practicals
- Independent Learning
 - follow up reading
 - note making
 - written work for marking
 - writing up investigations
 - learning for tests

HOW WILL I KNOW HOW WELL I AM DOING?

- Marking of set work – self, peer, teacher
- Half-termly monitoring reports
- Internal assessments and exams
- External examinations:
 - » End of year 13, Summer 2028

What will I do then?



- Access to HE
 - Biological sciences
 - Environmental sciences
 - Health related sciences
 - Sports studies
 - Agriculture and estate management
 - Food related sciences
 - Other areas
- Employment/Training
 - E.g. Rolls Royce accountancy apprenticeship.

Course Requirements & what to expect!

Grade 5 in GCSE Maths

plus...

GCSE Combined Science Grade 6-6

GCSE Biology Grade 6 plus GCSE Chemistry/Physics
Grade 6.