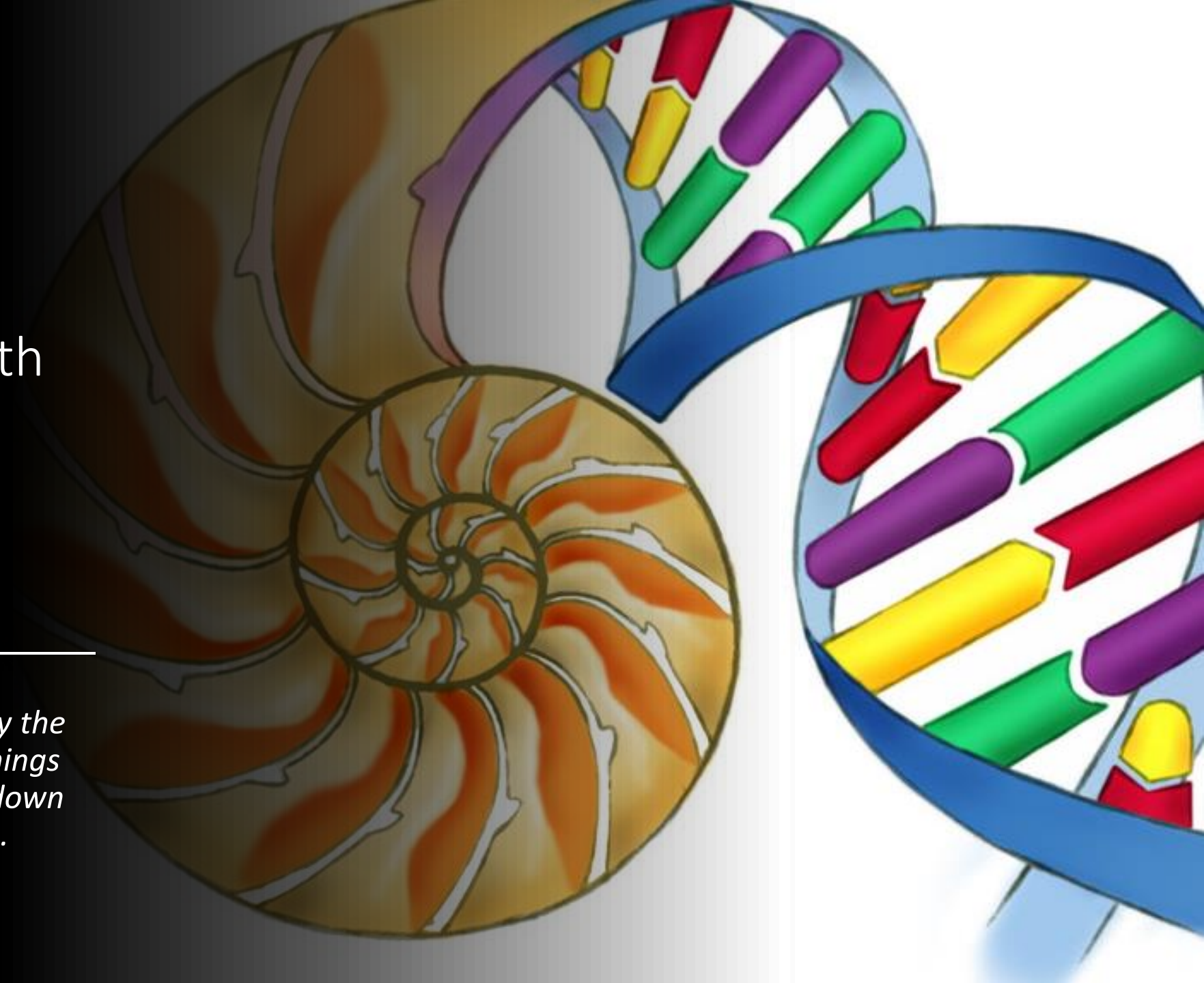




# Welcome to the Biology 6<sup>th</sup> form open evening

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*Biologists are scientists who study the natural world and all the living things in it, from the largest mammals down to our very own microscopic DNA.*





## Why study biology A-Level?

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- Biology A-level will help you understand how life works and you will find that fascinating.
- All the topics you found interesting at GCSE are covered in a lot more detail and studying them gives you the skills to make connections and associations with all living things around you.
- It also opens the doors to a huge range of degree subjects and careers





# Careers

## Science and Research

- Biochemist
- Botanist
- Forensic scientist

## Sport and Fitness

- Personal trainer
- Sports person
- Physiotherapist

## Medicine and Healthcare

- Nurse
- Doctor
- Pharmacist
- Midwife

## Engineering

- Biological engineer
- Environmental engineer
- Biomedical engineer

## Agriculture

- Farming
- Ecology
- Landscaping

## Research and education

- Research scientist
- Higher education lecturer
- Secondary school teacher

*The class of 2020*



Why study  
biology at OLCC?

- Experienced and dedicated teaching and technical staff.
- Excellent results.
- Staff who you know and feel comfortable with, or who will get to know you very quickly if you are new.
- Well-equipped labs.
- Lots of opportunity for practical work.

# What do we study?

- We study AQA Biology.
- Through the whole course you will be supported with a comprehensive set of notes that we work through in lessons, lots of past paper questions and all the additional material you need.

AS and first year of A-level	Second year of A-level
<ol style="list-style-type: none"><li>1. Biological molecules</li><li>2. Cells</li><li>3. Organisms exchange substances with their environment</li><li>4. Genetic information, variation and relationships between organisms</li></ol>	<ol style="list-style-type: none"><li>1. Energy transfers in and between organisms</li><li>2. Organisms respond to changes in their internal and external environments</li><li>3. Genetics, populations, evolution and ecosystems</li><li>4. The control of gene expression</li></ol>

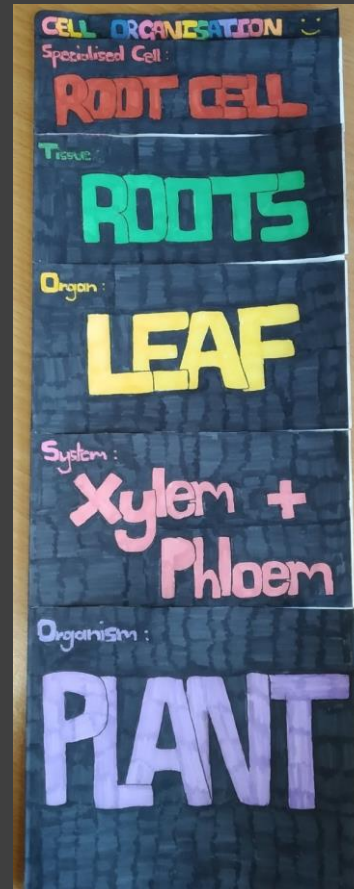
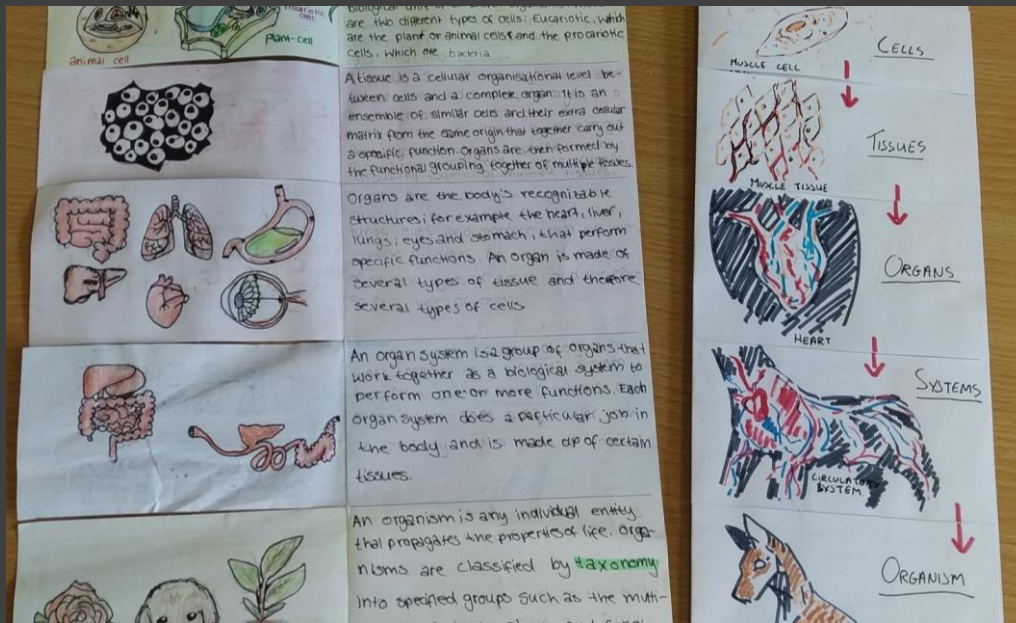


We do a lot of practical work...

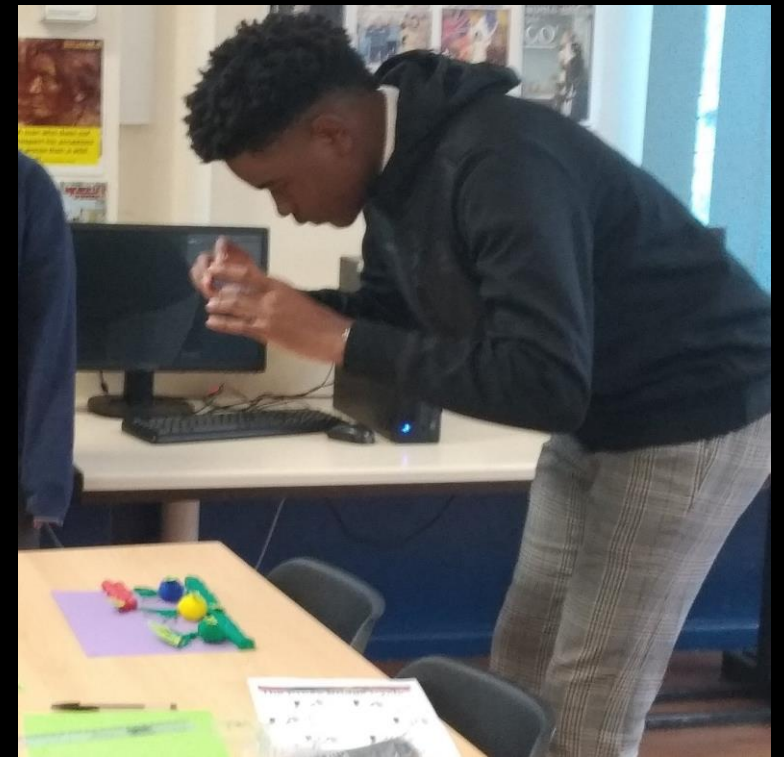
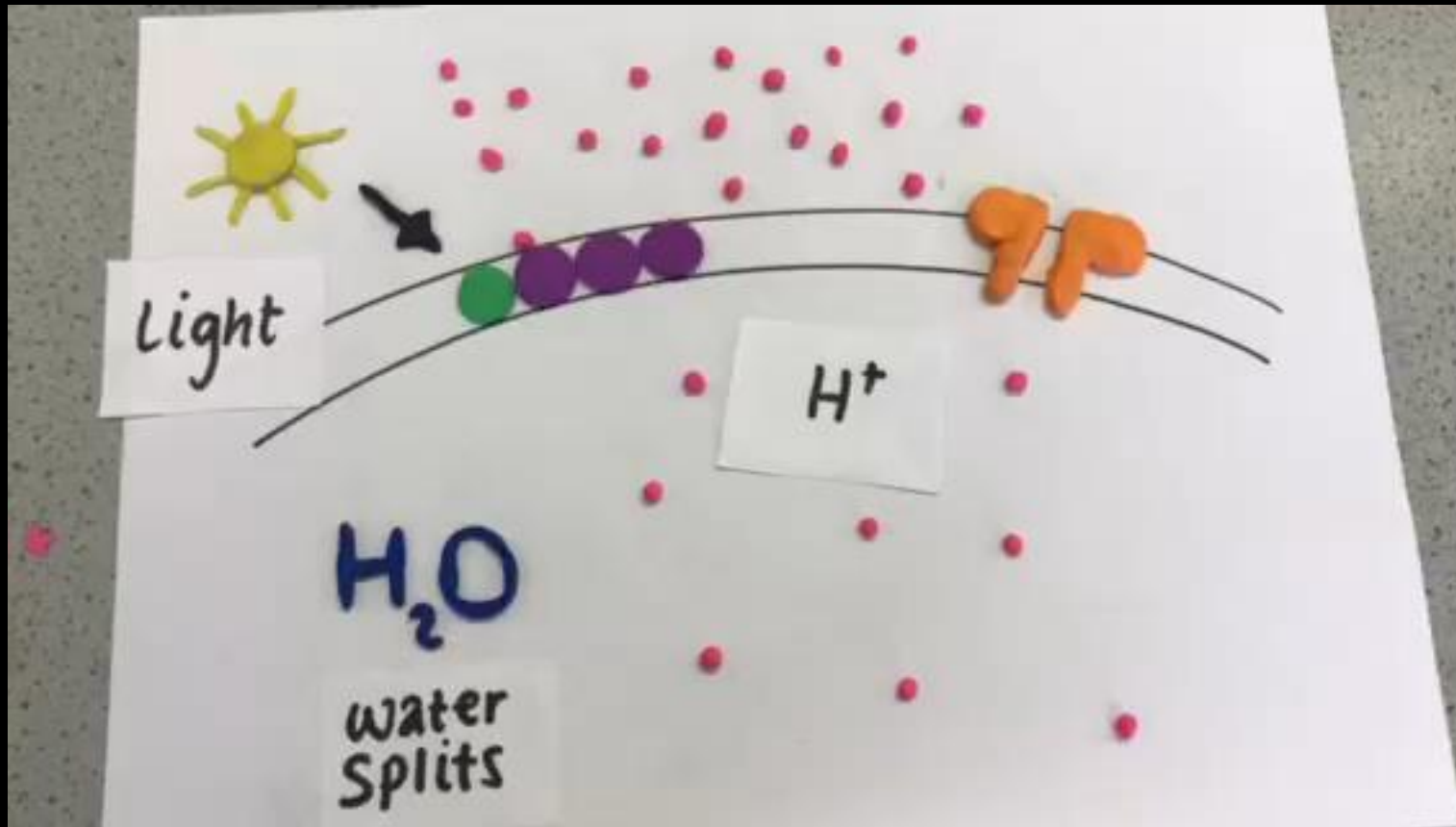




We present our ideas  
in creative ways...



# We make models...







Fruit flies



Electron  
microscope



Mosquito



Field trip

# What else might we do?

- In the past we have visited the electron microscope at Lancaster university. It has a magnification of over x1000000.
- We've visited the genetics lab there and seen the *Drosophila* (fruit flies that they breed to investigate the genetics of ageing).
- We've had field trips to do a transect survey of the coast at Half Moon Bay.
- And we have take part in the Biology Olympiad competition...



...and some of us make  
the most amazing  
revision notes!

[illegible]





...and some of our students spend six weeks in the summer doing their own research as part of a Nuffield project.

# We are very proud of the results we get.

June 2019

- 67% of students achieved A\*-B at A2 100% of students achieved A\*-C

June 2018

- 60% of students achieved A\*-B at A2 and 100% of students achieved A\*-E

June 2017

- 60% of students achieved A\*-B at A2

June 2016

- 57% of students achieved A\*-B at A2 and 100% achieved A\*-E





# And we're proud of where our students go next.

- Leia H - Medicine at Bristol
- Ali A - Civil Engineering at Leeds
- Karolina J – Biological Sciences at Edinburgh
- Amanda S- Animal Behaviour at Liverpool John Moore
- Christopher P – Forensic Science at UCLAN
- Lydia K – Natural Sciences at Durham
- Ruby O – Medicine at Leeds
- Charlie S – Medicine at Lancaster
- Aleksandra R – Biological Sciences at Lancaster
- Megan H – Midwifery in Manchester
- Ellie A – Biomedical Science at Lancaster
- Weronika K – Business
- Gemma R – Primary teaching at Cumbria



- Leia has graduated as a doctor from Bristol University in the summer of 2020

# What do our students say?

- Ruby says...

Studying a level biology for me was always something I wanted to do as an aspiring medic. However I would have never made it into medicine without the excellent biology teaching at OLCC.

Throughout my time there we weren't just taught the topics we were taught to understand them. All of the staff are extremely supportive and make even the most complex topics accessible and fun! I always went to my biology classes excited for what I was about to learn because everything is taught in a creative way. Sometimes I didn't understand things and the teachers would always go above and beyond to help me get to where I needed to be.

Studying biology has helped me understand much more than I ever thought and it will teach you to think laterally about lots of things in life. I couldn't recommend this subject enough to anyone thinking about studying it!



# What do our students say?

- Charlie says... “Studying Biology at A Level allowed us to build upon our GCSE knowledge whilst also developing our independent study skills.  
Throughout the course I felt completely supported by my teachers which helped increase my confidence when it came to exam time.  
The content was incredibly interesting to learn about and the practical assessments, whilst sometimes challenging were very fun to do. I thoroughly loved studying Biology at OLCC”

# What do our students say?

- Lydia says... I absolutely loved studying Biology at OLCC 6th form! The content was really interesting and diverse, covering topics both new and familiar from GCSE. The regular practicals enabled us to actually see the things we'd been studying, and were always a welcome change from other subjects which just involve sitting at a desk.  
Some lessons involved a lot of discussion, which really helped with understanding a topic. If we ever had any concerns, the teachers would always help out and explain a difficult concept again. This meant I went into the exams feeling really well prepared.  
Biology A-level definitely helped prepare me for university study, not only with the content but also the skills and independence I gained from it. I would highly recommend it!



# What do our students say?

Leeford says...

"I have always had a love for science but when I reached GCSE, I became most attached to biology. I found it so interesting and being able to do it at A level increased my interest as I got to learn more about myself and many other organisms"

# So why not join us next year...

- The minimum entry requirement is a grade 5 Combined Science, although we will consider individual students who haven't met the requirement.
- Biology complements Chemistry, Physics, Health and Social Care, and Geography