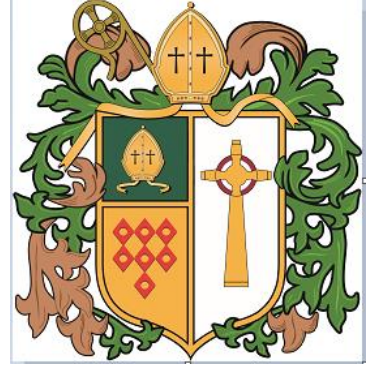
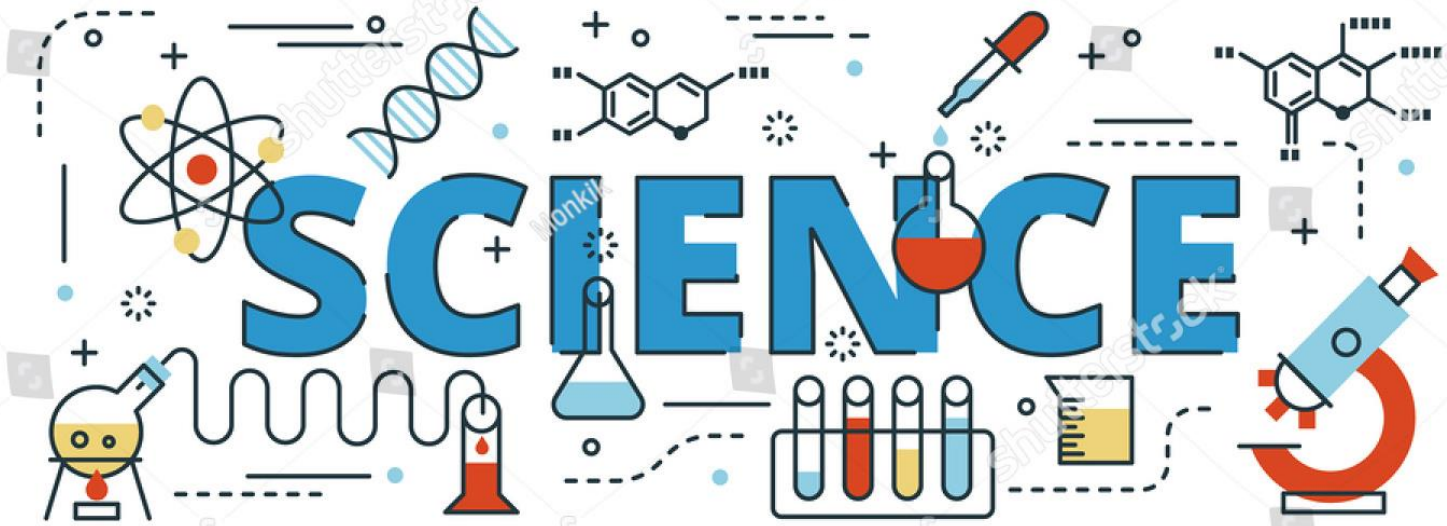
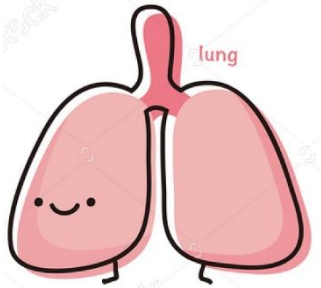
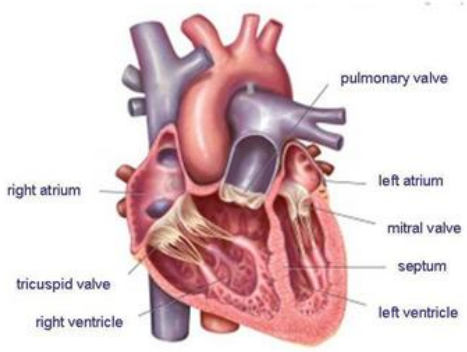






At St Wilfrid's



What will you study in year 7 and 8?

Cells & microscopes

Organs and Organ systems

Acids and Alkalis

Methods of separating mixtures

Ecosystems

Scientific skills

Electricity and magnetism

Forces and motion

Space

Energy transfers

Digestion & Nutrition

Reproduction

Exciting events in the Science Calendar!

Biology week – October

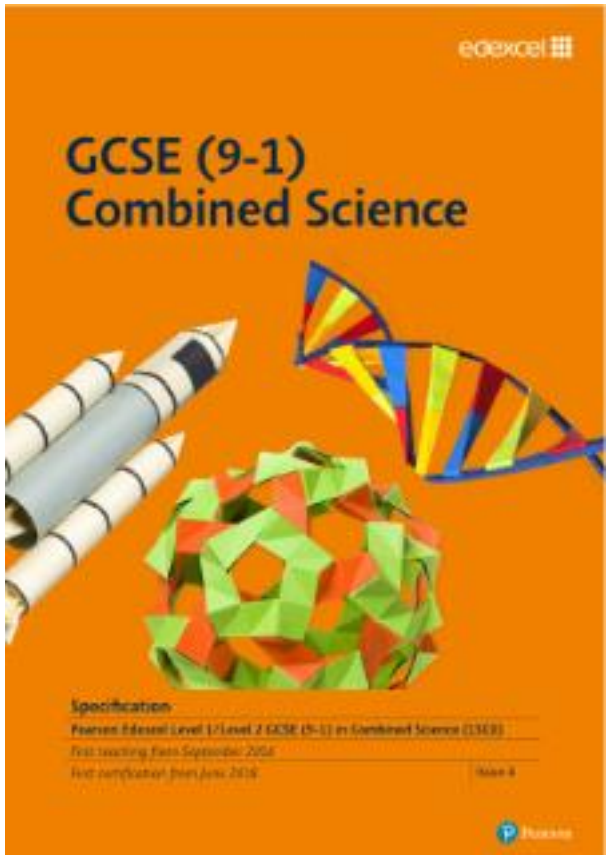
National Science week – March

STEM club – EVERY Thursday after school

STEM Careers fayre – We invited 26 professionals working across a range of sectors within STEM to chat to our students about job opportunities and essential skills they need in their jobs! The event will be even bigger next year!

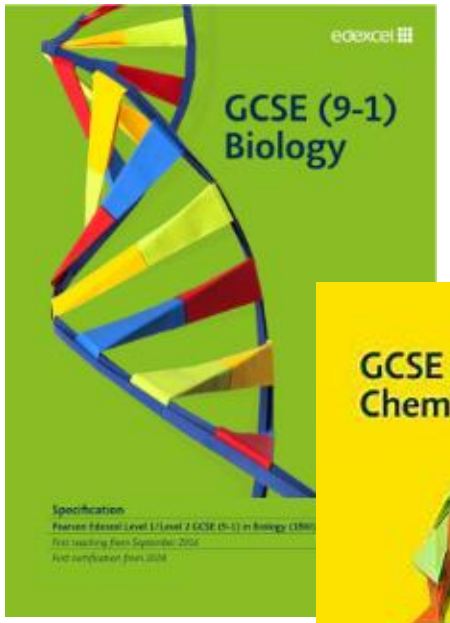
Biology Bake off competition!

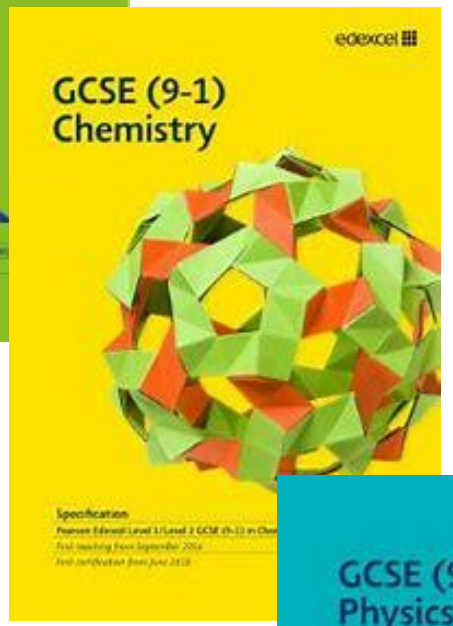
About our GCSEs in year 10 &

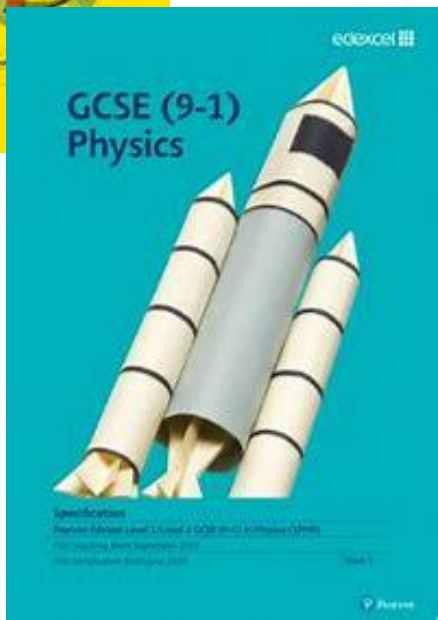


We study Edexcel exam board

We offer dual (combined) science and separate science GCSEs







You can then study A level Sciences at St Wilfrid's!

We have an incredible science team here at St Wilfrid's – who are ready to inspire you – I can't wait for you to meet them!

How many of their questions can you find the answers to?

Mrs Forster

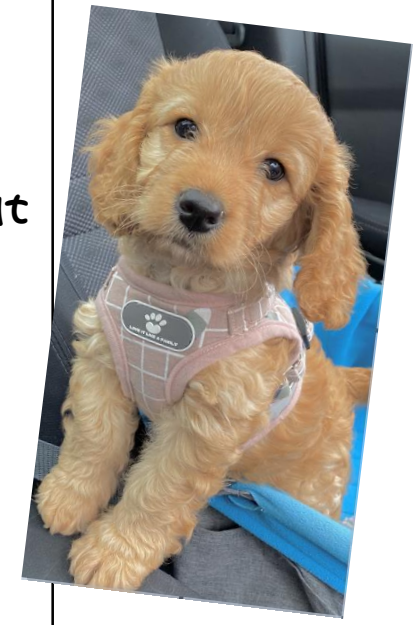
A little bit about me…

I graduated with a Biology degree from Newcastle University!

I absolutely love everything about science, but my particular interests are: anatomy & physiology (the human body), the brain and immunology.

I love playing the piano, alto saxophone and walking my beautiful dog, Penny ☺

Mrs Forster's Question: I am a non-identical twin. Can you research the difference in how monozygotic (identical) and dizygotic (non-identical) twins are formed? (We will also be looking at this in year 7 module 2 ☺ - see if you can find the answer first!)



Mrs Storey - Chemistry

A little about me…

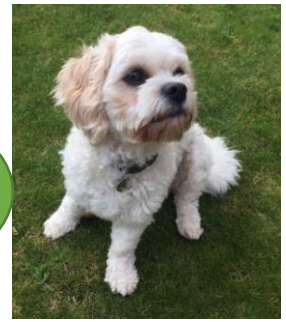
I studied Chemistry at The University of Sheffield and worked in the pharmaceutical industry for 4 years before completing my PGCE at Newcastle University.

I have taught at St Joseph's and St Wilfrid's and I also taught at an international school in Malaysia for a year.

I love running, baking, going for walks with my super cute dog and playing with my even cuter baby boy.

Challenge!

Can you find out what makes fireworks different colours?



Mr Faulkner-Johnson

Degree: English Literature, MA in Early Modern Medicine

Science Specialism: Biology

Science Interests: respiration and exercise, effects of altitude on the body, forgotten female scientists

Interests: theatre and ballet, reading James Joyce, history of the First World War (I've been to the battlefields of Belgium and France 3 times!)

Hobbies: running and former elite cross-country mountain bike racer, spoken word poetry

Question: who was Nettie Stevens and what did she discover?

Mr Hulse

Science teacher at St. Wilfrid's

Hello!

My name is Mr Hulse and I am part of the science team at St. Wilfrid's. I am also part of the senior leadership team here.

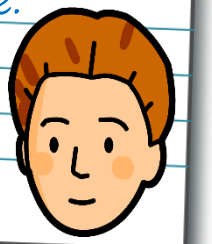
My specialism in science is physics. This branch of science allows us to explain things such as motion, forces and radioactivity. It's really interesting!

When I'm not at school I like to play the piano and I am learning to play the ukulele. I also really like trains and I can speak French!

My challenge for our new Y7s...

You might have heard of someone called Marie Curie. Marie Curie was a Polish-French physicist who made some really important discoveries which led to her being awarded many awards, including two Nobel Prizes!

Your task is to find out about the two things that she won a Nobel Prize for. You should create a mini fact file about each Nobel Prize that she won, with no more than 5 bullet points for each one.

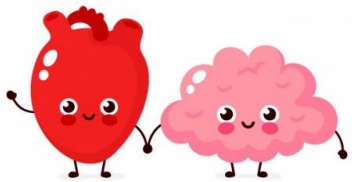


Miss Russell

Head of Biology

About me…

- I have a first class honours degree in biomedical sciences from Newcastle University – this means I particularly enjoy all of the human side of biology (blood, organs, dissections, medicine and disease)
- My favourite food is spaghetti bolognese
- My favourite topic that you will study in year 7 science is cells
- My favourite scientist is Henrietta Lacks

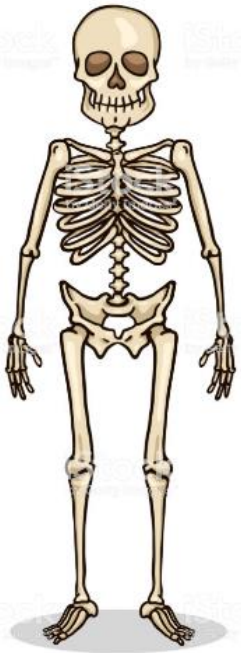


Newcastle University

I would like you to research about the human skeleton…

How many bones are there in the adult human body?
How many bones are you born with?

Why does this change?



Miss Castling

Hi!

I'm Miss Castling and I teach Chemistry. My degree is in Medicinal Chemistry but I sometimes teach a bit of physics and biology too.

I love to run and swim and keep fit by walking my two lovely dogs.

I really love to read too!

Miss Castling's Question:

Can you find out the name of the scientist and author who wrote "A brief history of time" and write 5 facts about his life?

Miss Vaughan

- I teach Chemistry.
- I studied Medicinal Chemistry and Pharmacology (Drug design) at the University of Liverpool.
- I love travelling. I lived and taught in New Zealand for two years!
- When I'm not teaching I'm usually walking, cuddling and taking photos of my Scottie dog Jimmy, at the gym, teaching myself how to cook, or decorating my new flat!
- My mission for you is: Find five elements on the periodic table where the symbols don't match the name (eg. Pb for lead) and research where the symbols come from.

Miss Brownbridge

A little bit about me:
I studied Medicine at Newcastle University.
I love all of science, especially human biology and the chemistry behind medicines.
My hobbies include baking, hill walking and trail running – I love being outdoors!

I would like you to answer the following questions:
Edward Jenner discovered the first ever vaccine. His work has saved millions of lives.
What vaccine did Jenner discover?
How did he discover it?

Miss Wells

Hi!

I graduated in 2017 with a degree in chemistry. I enjoy setting myself challenges and last year I completed a Tough Mudder (which is a race with lots of muddy obstacles), the Great North Run and the Great North Swim for charity.

I look forward to seeing you in September! ☺

Miss Wells' question:
Which famous scientist created the periodic table?

Mrs Beddoes

Hi!

I am one of the Science Technicians at St. Wilfrid's My job is to prepare all the equipment and Chemicals you will need when doing an experiment in your Science lesson.

Miss Watson

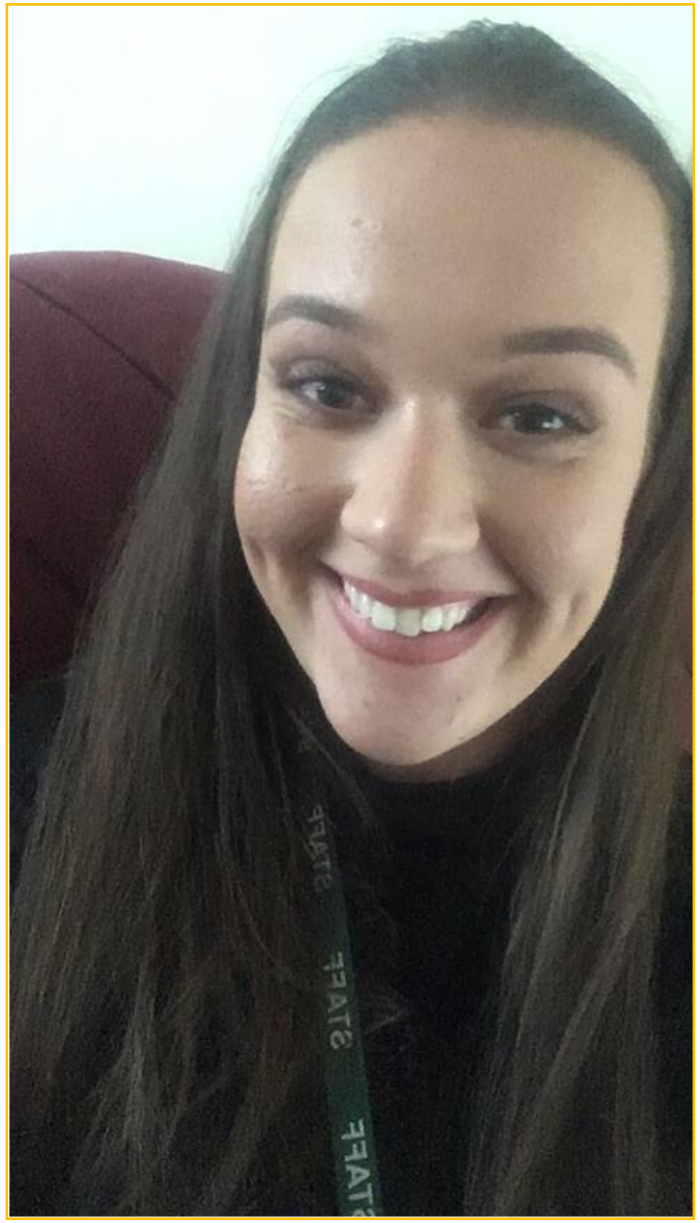
- I've been a Science Technician at St Wilfrid's since my youngest son was here in Year 10 (he's nearly 30 now!) I love my job as it is different every day and I work with great people.
- I have a Science degree, my 'specialist subject' was Earth Sciences. I do a lot of Biology now, but still have an interest in Chemistry and Physics.
- I also have a Diploma in Environment and Development, so I enjoy taking our older pupils on overseas expeditions to developing countries on our World Challenge expeditions.
- My other qualifications include a Diploma in Performing Arts which led me to a love of the Theatre and Arts
- I love to spend time with my family and friends. I spend a lot of my spare time outdoors, walking, camping and visiting new places.

Miss Watson's Question: Some days I can walk along Marsden beach and other days I can't. Why is this?

- Challenge: What is a Spring Tide and what causes it?

Miss Hardy

Hi Year 6!
I'm Miss. Hardy and I am a science teacher here at St. Wilfrid's.
I mainly teach biology and psychology.
My favourite science topic is anything to do with the human body- especially the brain!
In my spare time, I like to go on walks, read and travel.
I'm excited to meet you all in September!!



Miss Sutherland

Hi Year 6!

I'm Miss Sutherland. I studied Chemistry at university and I teach Science at St Wilfrid's.

My favourite part of Year 7 Science is when we make indicators from cabbage and test things you wouldn't believe are acids!

I'm really looking forward to meeting you in September and hearing your answers!

My question for you is: 2019 was The International Year of the Periodic Table. How many years ago was it created?

Mr Fox

Hi!

I have a degree from Liverpool university in Bioveterinary Medicine.

I started playing rugby when I was your age and I still play today!

Science Question:

In Y5 you learned about properties of some materials like metals and non-metals. I'd like you to research metals further: see if you can find out what causes metals to be such good conductors of heat and electricity when compared to non-metals. Are all metals solid at room temperature? Are there any metals that are light enough to float on water? Are there any other unusual metals?