

*Educate for life*

**Life Science and Everyone Matters (E1M)**  
**Newsletter Half Term 1**

Dear parent/carers,

Life Science is a unique curriculum to Cowes Enterprise College. Life Science covers all aspects of the Biology national curriculum at Key Stage 3 and Relationships, Health and Sex Education. Life Science provides the opportunity for students to further develop their scientific skills through real life scenarios and use their scientific knowledge to explain the world around them.

There is much commonality between the Science national curriculum and Relationships, Health and Sex Education statutory guidance including; healthy living, food and digestion, and human reproduction. Life Science is taught by subject experts in the Faculty of Science and Healthy Living, ensuring all Key Stage 3 students have access to high quality science and personal development education.

The Life Science curriculum journey can be found here: <https://cowesec.org/admin/wp-content/uploads/sites/7/2024/09/KS3-LIFE-SCIENCE-Curriculum-Journey-2024.pdf>

Year 7 have had a great start to Life Science, students have already covered how to stay safe in science and how to use scientific equipment. This half term students will learn how to stay safe in school and staying safe in the local community. Students will use data and develop their analytical skills to assess different situations for risks and hazards.

Year 8 students have started this new academic year learning about healthy living. Students have already covered the cause infectious diseases and how we can prevent these diseases. Students have been able to use microscopes to make observations, modelled the transmission of disease, and have used specialist hand washing equipment. Students will cover different aspects of health including; drugs, mental health, and first aid.

In Year 9 students have started a unit on forensic science, students have already covered how laws are made, different courtrooms, and have had the opportunity to use alcohol simulation goggles to assess the risks of driving under the influence of alcohol. Students will cover a range of different crimes and how forensic scientists collect evidence for these crimes.

Topics covered in Life Science this half term are listed below.

Year 7	
Personal Safety	How do I work safely in science?
	How do I use chemical safely?
	How do I measure chemical safely?
	How do I stay safe at school?
	What is road safety?
	What is water safety?

	What is fire safety?
	What is railway safety?
	What is internet safety?
	Is everyone treated equally?
	What are stereotypes?
	How might people with disabilities be treated?
	How do we respond to racism?

Year 8	
Healthy Living	What are communicable diseases?
	How are diseases transmitted?
	How do we prevent the spread of disease?
	How do we treat communicable diseases?
	What is the immune system?
	What are vaccines?
	What are non-communicable diseases?
	What is mental health?
	What are the effects of alcohol?
	How do I look after my teeth?
	What are prescription drugs?
	What are recreational drugs?
	How can screentime affect my health?
	What is first aid?
	Which common health conditions should I know about?
	How do I provide life support?

Year 9	
Forensic Science	What is forensic science?
	Are all courtrooms the same?
	What is drink driving?
	What are illegal drugs?
	What is county lines?
	What are anabolic steroids?
	What do I need to know about gangs?
	What is peer on peer abuse?
	What should I know about knife crime?
	What is grooming?
	What is prevent?
	What are the laws on organ donation?
	What are THC vapes?

Our Key Stage 4 students will explore PSHE, RS, Careers and Citizenship content within our unique personal development curriculum, Everyone Matters (E1M).

Topics covered in the first half term of Everyone Matters (E1M) curriculum for Year 10-11 include;

Year 10	
	What is emotional health?
	How do I recognise depression, anxiety, and stress?
	How can I manage my anger and aggression?
	How can I reframe my brain to maintain positive mental health?

How can I keep myself mentally and emotionally safe?	What is the difference between a neurotypical and neurodiverse brain?
	What are healthy ways to promote emotional wellbeing?
	How can I manage exam stress in Year 10 and 11?
	Please go to the following websites below if you require any parental advice for approaching and supporting mental health at home.
	<a href="https://www.nhs.uk">Advice for parents - NHS (www.nhs.uk)</a>
	<a href="https://www.camhs.nhs.uk">Facts and figures about young people and mental health - Mind About Us   IOW Youth Trust CAMHS (hampshirecamhs.nhs.uk)</a>

Year 11	
Peace and Conflict	What is meant by conflict?
	What happens when people disagree with the state?
	Is the use of weapons of mass destruction ever right?
	Is war justified?
	Does religion cause wars?
	What are the alternatives to conflict?
	How should people respond to victims of war?

We continue to welcome parent input to our personal development curriculum, so please do contact us via email if you have further queries or suggestions of topics.

Kind regards,

Danielle Godfrey  
Assistant Principal

Charlie Day  
Deputy Director – Life Science