

Felpham Community College – Key Stage 3 S of W

Subject: Science	Year: 9	Leader: D. Leonard
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Autumn Term 1	Activities	Homework
<p>Topics: Biology: It's in your DNA</p> <p>Chemistry: It's Elementary</p>	<p>Pupils discover the impact of genetics, the DNA molecule and their discoveries have had on human civilization in the 20th century.</p> <p>Pupils research the civilizations and then individual scientists who discovered the elements of the periodic table and how this came into being.</p>	<p>A range of homework will be set to help students develop their own learning and understanding. Homework will also provide an opportunity to extend their knowledge.</p>
		<p>Assessment Plans Students will sit an end of topic test next term</p>
Literacy / Numeracy / ICT Skills will be developed through Investigative skills assessments,		

Autumn Term 2	Activities	Homework
<p>Topics: Physics: Our Place in the universe</p> <p>Detection using biology and chemistry</p>	<p>Pupils discover the work of Galileo, Copernicus and Hubble as they venture from the Earth, the Solar System and beyond.</p> <p>Students explore various techniques used in forensic science.</p>	
		<p>Assessment Plans Students will sit an end of topic test which covered the work in Autumn Term 1&2.</p>
Literacy / Numeracy / ICT Skills will be developed through Investigative skills assessments,		

Spring Term 1	Activities	Homework
<p>Topics: New technology and turning points in biology. New technology in chemistry New technology in physics and detection in physics.</p> <p>End of KS3 test</p>	<p>Students will explore the science behind how characteristics are inherited and the use of enzymes in industry.</p> <p>Students research the use of nanoparticles and alternative, cleaner fuels for cars.</p> <p>Students will explore how physicists detect particles in space and look for other life forms</p>	<p>Homework will be set by individual teachers to help extend and develop individual knowledge.</p>
		<p>Assessment Plans Students will be assessed on all KS3.</p>
Literacy / Numeracy / ICT Skills will be developed through Investigative skills assessments,		

Spring Term 2	Activities	Homework
<p>Topics GCSE biology</p>	tbc	
		<p>Assessment Plans</p>
Literacy / Numeracy / ICT Skills will be developed through Investigative skills assessments,		

Summer Term 1	Activities	Homework
<p>Topic: GCSE physics</p>	tbc	Individual homework tasks will be set.

		Assessment Plans Students will be assessed using an end of year test where content from the whole year will be tested.
Literacy / Numeracy / ICT Skills will be developed through Investigative skills assessments,		

Summer Term 2	Activities	Homework
Topic: GCSE chemistry	tbc	Individual homework tasks will be set.
		Assessment Plans
Literacy / Numeracy / ICT Skills will be developed through Investigative skills assessments,		

Website / Resources KS3 BBC Bitesize, School Moodle site SAM learning

Extension: Why not research using YouTube, other websites and through books topics which you really enjoy? Ask your teachers for recommended extra reading throughout the year.