

YEAR 10
The Swanage School – Home Learning Overview
16/03/2020 - 05/04/2020

	Week Beginning 16/03/20	Week Beginning 23/03/20	Week Beginning 30/03/20	
Y10	Learning Focus	Learning Focus	Learning Focus	Supporting Resources
English	Two Mini-Mocks for GCSE Language Paper1.	Using 'A Christmas Carol' complete the two attached essays and the Language GCSE Paper 1, Section B writing task.	Four writing tasks for GCSE Paper 1, Section B which are worth 25% of the GCSE.	See Show My Homework for full task details Please follow the order of set work for all three weeks. GCSE Pod
Maths	To review any misconceptions and fix it points form practice paper 10mat1 – sequences and simultaneous equations 10mat2 – fractions and solving equations with unknown on both sides	interpret and construct tables, charts and diagrams including, for categorical data: <ul style="list-style-type: none"> • frequency tables • bar charts • pie charts • pictograms • vertical line charts for ungrouped discrete numerical data • <u>tables and line graphs for time series data</u> • know their appropriate use including choosing suitable statistical diagrams		See Show My Homework for full task details mathsbot Seneca Learning Dr Frost GCSE Pod

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Chemistry EM (10.2)		<p>C13 – Alloying (ActiveLearn Online Book)</p> <ul style="list-style-type: none"> • What is an alloy? • Why is iron mixed with other metals to make alloy steels? • Why are alloys stronger than pure metals? <p>C13 – Uses of Metals and their Alloys (ActiveLearn Online Book)</p> <ul style="list-style-type: none"> • What are some common uses for Al, Cu and Au? • What are some common alloys containing Al and Cu? • Why are different metals or their alloys chosen for different uses? 	<p>C11-C13 End of Topic Assessment Sheet</p> <p>To be submitted to Miss Morris for marking.</p>	<p>See Show My Homework for full task details ActiveLearn (log in details in pack)</p> <p>Bitesize Chemistry Seneca Learning YouTube Fuse School</p>
Chemistry MW – 10.1	<p>Transition metals</p> <ul style="list-style-type: none"> • Where are the transition metals on the periodic table? • What are the typical properties of transition metals? 	<p>Corrosion</p> <ul style="list-style-type: none"> • Why do metals corrode? • How can the surface of iron be protected from rusting? 	<p>Alloys</p> <ul style="list-style-type: none"> • What is an alloy? • Why is iron mixed with other metals to make alloy steels? • Why are alloys often stronger than pure metals? 	<p>See Show My Homework for full task details ActiveLearn (log in details in pack)</p> <p>Bitesize Chemistry</p>

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	<ul style="list-style-type: none"> What properties of iron make it a typical transition metal? 	<ul style="list-style-type: none"> How does sacrificial protection prevent rusting? <p>Electroplating</p> <ul style="list-style-type: none"> What is electroplating? Why are metals electroplated? How is electroplating done? 	<p>Uses of metals and their alloys</p> <ul style="list-style-type: none"> What are some common uses for aluminium, copper, and gold? What are some common alloys containing aluminium or copper? Why are different metals or their alloys chosen for different uses? 	<p>Seneca Learning</p> <p>YouTube Fuse School</p>
Chemistry MW – 10.3	<p>Molecular compounds</p> <ul style="list-style-type: none"> Why do simple molecular compounds have low boiling and melting points? Why are simple molecular compounds poor electrical conductors? What is a polymer? 	<p>Allotropes of carbon</p> <ul style="list-style-type: none"> How are simple molecular structures different from giant covalent structures? What are the differences in structure between the different allotropes of carbon? How do we explain the properties and uses of graphite, diamond, and fullerenes? <p>Properties of metals</p> <ul style="list-style-type: none"> What are the typical physical properties of metals and non-metals? How are the particles arranged in metals? 	<p>Properties of metals</p> <ul style="list-style-type: none"> How can we explain the properties of a metal in terms of its bonding and structure? <p>Bonding models</p> <ul style="list-style-type: none"> What different types of structure and bonding models are used to describe substances? How do these models help explain the properties of substances? What are the limitations of the models that we use to show structure and bonding? 	<p>See Show My Homework for full task details</p> <p>ActiveLearn</p> <p>(log in details in pack)</p> <p>Bitesize Chemistry</p> <p>Seneca Learning</p> <p>YouTube Fuse School</p>

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Physics	1. Nuclear Energy <ul style="list-style-type: none"> • State the difference between nuclear fission and fusion • Describe the advantages and disadvantages of nuclear power • Explain the environmental impact of nuclear disaster 	2. Nuclear Fission <ul style="list-style-type: none"> • Recall the products of uranium-235 fission • Describe how chain reactions are controlled inside nuclear reactors • Explain how fission reactions can be used to generate electricity 	3. Nuclear Fusion <ul style="list-style-type: none"> • Recall the conditions required for nuclear fusion to occur • Describe how electrostatic repulsion can be overcome inside fusion reactors • Explain why nuclear fusion is not yet a viable commercial energy resource 	See Show My Homework for full task details ActiveLearn (log in details in pack) Seneca Learning YouTube Fuse School YouTube Nuclear Fission
Biology	5.1 Describe health as a state of complete physical, mental and social well-being 5.2 Describe the difference between communicable and non-communicable diseases 5.3 Explain why the presence of one disease can lead to a higher susceptibility to other diseases	5.12 Describe how the physical barriers and chemical defences of the human body provide protection from pathogens 5.13 Explain the role of the specific immune system of the human body in defence against disease 5.14 Explain the body's response to immunisation using an inactive form of a pathogen 5.16 Explain that antibiotics can only be used to treat	5.20 Describe the process of developing new medicines 5.23 Describe that many non-communicable human diseases are caused by the interaction of a number of factors 5.24 Explain the effect of lifestyle factors on non-communicable diseases at local, national and global levels 5.25 Evaluate some different treatments for cardiovascular disease	See Show My Homework for full task details ActiveLearn (log in details in pack) Bitesize Biology Seneca Learning YouTube Fuse School

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	5.4 Describe a pathogen as a disease-causing organism 5.5 Describe some common infections 5.6 Explain how pathogens are spread and how this spread can be reduced or prevented	bacterial infections because they inhibit cell processes in the bacterium but not the host organism		
Geog	Urban change in UK	Eco systems	Changing UK economy	See Show My Homework for full task details
PRE	Hinduism – worship at home, worship in the mandir, bhakti	Hinduism – pilgrimage	Hinduism – pilgrimage	See Show My Homework for full task details
Art	How can I create an accurate observation of a still life object using tone?	How can I identify the different elements of drawing through mark making? How can I create an accurate observation of a still life object using mark making?	How can I identify the different elements of drawing through mark making? How can I create an accurate observation of a still life object using mark making?	See Show My Homework for full task details
PE	Introduction of PEP coursework <ul style="list-style-type: none"> • Introduction of your aim. • How you will achieve your aim. • PAR-Q form 	PEP coursework <ul style="list-style-type: none"> • Selecting components of fitness. • Selecting methods of training. • Developing a 6-8 week training programme 	PEP coursework <ul style="list-style-type: none"> • Developing a 6-8 week training programme. • Carrying out your 6-8 week training programme. • Justify why you have selected your exercises. 	See Show My Homework for full task details

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Music	<p>Go to Show my Homework and download the PowerPoint 'Comparative Writing Fix'.</p> <ul style="list-style-type: none"> This PowerPoint will take you through a short 'fix' lesson on comparative writing. <p>Go to Show My Homework, Wider listening.</p> <ul style="list-style-type: none"> Listen to the extract and identify the features of the music using the Wider Listening Sheet. 	<p>Go to: Show My Homework, 'Virtual Textbook'</p> <ul style="list-style-type: none"> Watch the videos on the different Areas of Study. Make revision notes in your workbook. <p>Go to Show My Homework, Focus on Sound.</p> <ul style="list-style-type: none"> Login is the student's First name and Last name (no spaces and a capital letter at the start of the names) Complete online lessons on Areas of Study 3 Rhythms of the World. Complete Tests on AoS3. 	<p>Go to Show My Homework and download the PowerPoint, documents and audio files in 'Week 3 Listening'.</p> <ul style="list-style-type: none"> Follow the instructions on the PowerPoint for these listening questions. 	<p>See Show My Homework for full task details:</p> <p>Week 1</p> <ul style="list-style-type: none"> PowerPoint on Comparative Writing Fix. Wider Listening. <p>Week 2</p> <ul style="list-style-type: none"> Virtual Textbook. Focus on sound. <p>Week 3</p> <ul style="list-style-type: none"> Listening and Appraising.
French	<p>Module 4 (town) - start answering each question. Grade 4 verbs: learn on quizlet</p>	<p>Module 4 (town) - answer each question. Module 4 (Town): start activelearn. Grade 4 verbs: learn on quizlet then do online quiz.</p>	<p>Active learn online: complete Module 4 (town) Fill conditional tense worksheet. Module 4 town: complete reading comprehension.</p>	<p>See Show My Homework for full task details</p> <p>www.quizlet.com www.pearsonactivelearn.com</p>

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Drama	Devising – You will be provided with a question sheet asking you to be <u>evaluating</u> the progression of your devised piece so far. Material will be provided that will ask you to examine your choices of language, genre, form, style in the devised piece.	‘An Inspector Calls’ Question 2b(i) and 2b(ii) Practice questions that will explore the <u>context and whole play.</u> The <u>methods</u> and how to be successful at completing these.	‘An Inspector Calls’ Q2c – Music/Props and stage furniture. ‘Jamie’ - Material will be provided to determine the differences between <u>analysis and evaluation</u> and you will be asked to complete a mini exam question showing this method.	See Show My Homework for full task details www.bbc.co.uk/bitesize
History	Topic 1 Making of America – Expansion of the USA 1789-1838 - How did America’s territory expand	Topic 1 Making of America – Expansion of the USA 1789-1838 – The expansion of Slavery and the Cotton trade.	Topic 1 Making of America – Expansion of the USA 1789-1838 – Expulsion of the Eastern Indians	See Show My Homework for prepared booklet
DT	All DT work has been set on the DT website www.bitly.com/design-is-everywhere			