

Year 12 Transition

Welcome to The Island VI Form

KS5 Subject:	Biology
Objectives for Transition Tasks:	
<ul style="list-style-type: none">● Refresh your science skills and Biology knowledge to strengthen your neural pathways!● Start to develop wider reading and an understanding of the applications of Biology.	
Watch:	Independent Task (to be submitted):
<p>Activity: Take part in a citizen science project such as The big seaweed search and help monitor the effects of environmental change on sea life. Big Seaweed Search Natural History Museum</p> <p>Watch: Cell theory: https://www.youtube.com/watch?v=4OpBylwH9DU</p> <p>Biological molecules: https://www.youtube.com/watch?v=H8WJ2KENIKO</p> <p>Other suggestions: Rock pool science - have a look when you next go to the beach. Rock pool science with marine biologist Helen Scales New Scientist</p> <p>BBC iplayer has a range of programmes to watch. Pick something the more examples you can see for changes in habitat, behaviour, adaptations the better. Science & Nature - Featured - BBC iPlayer</p> <p>Topical and links to biodiversity and nutrient cycles. https://www.bbc.co.uk/iplayer/episodes/m001jw74/paul-whitehouse-our-troubled-rivers</p> <p>Examples of behaviour, threats to biodiversity and habitats. https://www.bbc.co.uk/iplayer/episodes/p0f0t5dp/wild-isles https://www.bbc.co.uk/iplayer/episodes/m0023h9c/asia</p> <p>Scientists developing techniques in order to solve problems. https://www.bbc.co.uk/iplayer/episode/m0025xx9/</p>	<p>Review basic Biology knowledge of cell and organisation: GCSE Biology (Single Science) - AQA - BBC Bitesize</p> <p>Follow these links and list the structures and functions of the organelles that are not in the GCSE animal cell. Secrets of Cells *suitable for home teaching Cells and cell organelles</p> <p>Collect a biological specimen i.e. shell, plant, leaf, fruit, flower, insect and produce a scientific drawing. Key focus is observation and accurate recording of shapes/structures to scale. Add as many labels/annotations that you can, you may need to do some research into your organism/specimen. If you have a magnifying glass this might be useful. Information of how to do complete a scientific drawing can be found on the following links: Drawing Biological Diagrams Biological Drawing - OCR</p> <p>Extension: Use a ruler to draw a line across the bottom of the page and use this to draw to scale.</p>

hunt-for-the-oldest-dna	
Read:	Staff Contact
<p>Keep an eye on BBC news for interesting articles, here is one to get you started.</p> <p>‘Dragon prince’ dinosaur discovery 'rewrites' T.rex family tree - BBC News</p> <p>Or New scientist for articles and videos.</p> <p>News – latest in science and technology New Scientist</p> <p>Science of cooking news, articles and features New Scientist</p> <p>Or listen to a podcast on BBC Sounds - Categories - Science Podcasts</p> <p>Such as BBC Radio 4 - The Infinite Monkey Cage - Downloads</p> <p>Or BBC Sounds - A Thorough Examination with Drs Chris and Xand - Available Episodes</p>	<p>clare.oshaughnessy@theislandviform.org.uk</p> <p>Here is the link to the course: AQA A-Level Biology (7402)</p> <p>The AQA website has lots of information about the course. AQA Subjects Biology</p>

Aim Higher Task:	
<p>Read and summarise (you could produce a mind map, infographic, written paragraph).</p> <p>Investigating the sleeping state in bacteria - Catalyst Magazine</p>	
<p>DEADLINE FOR TRANSITION TASK: Please bring to your first lesson in September.</p>	