



## Science topics and home working outline:

Week	Title of work	“What do I need to do?”	Year:
1/6/20	Chemistry Water treatment: <i>How do we make our water safe to drink?</i>	Do some research – bbc bitesize is good Answer the exam question, either on paper or via google classroom Make a poster on how the water treatment process makes water safe to drink	All year groups can do this ☺
8/6/20	Physics <i>Life cycle of stars worksheet (Y10)</i>  <i>Electricity generation and saving the planet project (KS3)</i>	Year 10 do gap fill and comprehension questions on “ <i>HW IT exercise - Life cycle of stars worksheet.docx</i> ” on google classroom  Complete slides on PowerPoint “Y7 8 and 9 Electricity and generation Project.pptx” answering the questions at the top.	Y10  KS3
15/6/20	Biology Ecosystems: <i>Adaptations in a range of environments</i>	Do some research on adaptations found in animals <b>and</b> plants that allow them to survive in A. a cold habitat (e.g. the arctic) B. a hot and dry habitat (e.g. the desert) C. an aquatic habitat (e.g. the sea or a pond) D. a hot and humid habitat (e.g. rainforest) Produce a presentation or poster to give examples of adaptations (behaviour or physical features) from each habitat that are <b>unique to that habitat</b> . For each you should be able to <b>state</b> the adaptation, <b>explain</b> what it is and why it gives the organism an <b>advantage (SEA)</b> . Answer questions on educake on adaptations	All year groups can do this ☺
22/6/20	Chem - Rate of reaction: <i>What are the factors that affect the rate of reaction?</i>	Do some research – bbc bitesize is good Answer the exam question, either on paper or via google classroom Make a poster to summarise the 4 factors that affect the rate of a chemical reaction	All year groups can do this ☺
29/6/20	Physics <i>Stars and Planets</i>  Educake assessments	Year 10 to do “Star and Planets test” (google forms test) via google classroom.  Year 7, 8 and 9 do the following tests on educake: Y10 HW 6a Generating Electricity (foundation) Y10 HW 6b Efficiency (foundation) Y10 HW 6c National Grid (foundation) Y10 HW 9 Reducing heat loss (foundation) Deadline by July 15th	Y10  KS3
6/7/20	Biology Immunity: <i>How does a vaccination work?</i>	Do some research – bbc bitesize is good Answer the exam question on paper or via google classroom Make a poster on what a vaccination contains and how your body responds to the vaccination	All year groups can do this ☺
13/7/20	Chemistry The Ever-Changing Earth: <i>Who is Alfred Wegener and what was his theory?</i>	Do some research Answer the exam question on paper or via Google Classroom. Make an information leaflet to meet the following success criteria: A. A profile of Alfred Wegener (date of birth, place of birth, what he studied etc...) B. What the name of his theory was and a brief explanation of what it said. C. At least 3 pieces of evidence he had to support his theory. D. An explanation of how the continents moved. E. Must be eye-catching to interest the reader. F. Must be written in formal text as it is an educational leaflet.	All year groups can do this ☺

**Year 12: Check relevant google classroom for tasks**



## Google classroom codes:

SCIENCE CLASS CODES  
GOOGLE CLASSROOM

**KS3 SCIENCE: E5QXUTD**  
**KS4 SCIENCE: XVEG77S**  
**KS5 BIOLOGY: OXXIZMN**  
**KS5 CHEMISTRY: UPBAPPV**  
**KS5 PHYSICS: QISWS4J**

#RESILIENT #WHS2020

## Educake:

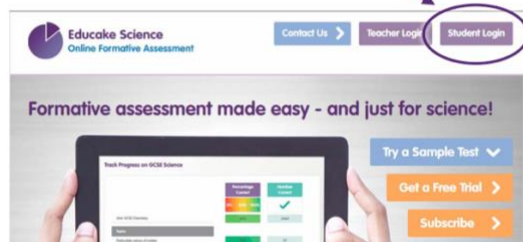
Email your teacher if you don't know your login details!

### What is Educake?

- Educake is a website for science homework and revision
- Teachers can set you homework with Educake
- You can set yourself revision tests
- Educake works on PCs, tablets and smartphones

### How do you log in to Educake?

- Go to [www.educake.co.uk](http://www.educake.co.uk) in a web browser, like Chrome or Safari
- Click on the "Student Login" button:



- Enter the username and password your teacher gave you
- Usernames are your first name, then the first letter of your last name, then a 4 digit number.
- For example, Brian Pie's username might be brianp0007