

Getting Ready For *Environmental Science*

Your Name

*Year 1 Environmental
science*

Summer 2024

We are delighted you have chosen to study **A-Level Environmental Science** at Worthing College.

Instructions: This pack will help you make the best possible start to studying this subject.

The tasks in this pack:

- Should take you **about 4 hours to complete.**
- Should be handed into your teacher when teaching starts – **from Monday 9th September 2024** – with your name on it for assessment.
- Are also available on the internet – follow the links in the document.

If you need help: The tasks are designed to get a bit more difficult as you work through them as they are preparing you for studying at a higher level and to become an effective independent learner. You should try to get as far as you can working on your own but if you do need help, please email us at gettingreadyfor@worthing.ac.uk, telling us which Getting Ready For pack you are working on and what help you need. Help is available throughout the summer holidays.

ALL WORK, TASKS AND LINKS CAN BE FOUND AT:

<https://padlet.com/ESBTEC/environmentalscience>

Skills Focus for this Getting Ready for Pack

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| <ul style="list-style-type: none">• Use of key terminology• Evaluation• Note taking | <ul style="list-style-type: none">• Justification using data• Research• Referencing |
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Summer work –		<i>Topic: Managing energy for a sustainable future</i>	
Target Grade	Type of task	Task and subject specific skill reference	Deadline
All	Definition of key terms	<p>Task 1:</p> <ul style="list-style-type: none"> Define the following terms: <ul style="list-style-type: none"> Sustainable energy Alternative energy Low-carbon energy Efficiency (in terms of energy) Make sure to include references for all your definitions do not use wikipedia 	All tasks are due in on your first lesson the week beginning 9 th September 2024
All	Research and explanation	<p>Task 2:</p> <ul style="list-style-type: none"> Explain why it is important to reduce the dependency on non-sustainable energy source (fossil fuels) Make sure that you give at least 3 different reasons why it is important to reduce the dependency on non-sustainable energy sources Use the following links to help you but do further research as well: https://www.americansecurityproject.org/reducing-our-dependence-on-fossil-fuels-is-a-national-security-imperative/ Fossil Fuels: The Dirty Facts (nrdc.org) Make sure to include references. 	
All	Evaluation	<p>Task 3:</p> <ul style="list-style-type: none"> Watch the video https://www.youtube.com/watch?v=mmyrbKBZ6SU Identify what are the general pros and cons of renewable energy sources. <p>Make sure to be specific and detailed in your answers.</p>	
All	Research and examples	<p>Task 4:</p> <ul style="list-style-type: none"> Different types of renewable energy sources Complete the table provided with 5 different renewable energy sources Make sure to give as much detail to each of the boxes Your examples must be “real life” with specific data and detail The table can be found at https://padlet.com/ESBTEC/environmentalscience Make sure to include references. 	
All	Evaluation	<p>Task 5:</p> <ul style="list-style-type: none"> Evaluation of different renewable energy sources Using your table from task 4, give your justified opinion as to which renewable energy source is the best. There is no correct or wrong answer as long as back your opinion up with facts from your table. In order to have a strong evaluation you need to say why other renewable energy sources are not as good as your chosen one as well. 	

All	Prior knowledge	Task 6 <ul style="list-style-type: none"> Complete the science knowledge recap activities to the best of your ability. This is for us to know what are any areas that might need to be focused on to help you. 	
Notes:			

Work Experience week

All year 1 students are required to participate in a week-long work placement during their first year of study. You will be expected to locate one week's worth of work placement and submit your work experience form before October half term.

Placement Dates:

L2/L3 students on double /triple qualifications:

1 week course-specific placement, expected placement dates will be confirmed by the course leaders at the beginning of September.

Students with 2 or more single subjects:

1 week placement during the Easter holidays or w/c 23 June 2025

You can find the work experience form [HERE](#)
More information and guidance can be found [HERE](#)