Worthing College

Getting Ready For
Environmental Science

Your Name		
Year 1 Environmental science		Summer 2025

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 8th September 2025*** – 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	
• **Use of key terminology** • **Evaluation** • **Note taking**	• **Justification using data** • **Research** • **Referencing**

Summer work –		***Topic*:** *Managing energy for a sustainable future*	
Target Grade	**Type of task**	**Task and subject specific skill reference**	**Deadline**

All	Definition of key terms	**<u>Task 1:</u>**
		• Define the following terms:
		  ○ Sustainable energy
		  ○ Alternative energy
		  ○ Low-carbon energy
		  ○ Efficiency (in terms of energy)
		• Make sure to include references for all your definitions **<u>do not use wikipedia</u>**
			All tasks are due in on your first lesson the week beginning 8th September 2025

All	Research and explanation	**<u>Task 2:</u>** • Explain why it is important to reduce the dependency on non-sustainable energy source (fossil fuels) • Make sure that you give **<u>at least 3 different reasons</u>** 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	**<u>Task 3:</u>** • Watch the video https://www.youtube.com/watch?v=mmyrbKBZ6SU • Identify what are the general pros and cons of renewable energy sources. Make sure to be specific and detailed in your answers.	
All	Research and examples	**<u>Task 4:</u>** • 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	**<u>Task 5:</u>** • 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	**<u>Task 6</u>** • 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 Placement Week

All students are required to participate in a **compulsory** week-long work placement. It is recommended that the placement chosen is either relevant to your course, or relevant to what your future career aspirations are.

Work placement form submission deadline

All L2 and L3 students studying on triple or double courses will be given their work placement week dates by their course leaders when they start in September.

The deadline to submit your placement forms are as follows:

Date of work placement week	Deadline for returning completed form
Dec-25	24th October 2025
January / February 2026	24th October 2025
March / April 2026	19th December 2025
May / June 2026	13th February 2026

All students studying 2 or more single subjects will have the option of either carrying out their work placement during:

- February half term
- Easter holidays
- May half term
- 22nd – 26th June 2026

The deadline to submit your placement forms are as follows:

Date of work placement week	Deadline for returning completed form
February half term (16th - 20th February)	Friday 24th October 2025
Easter holidays (27th March - 13th April)	Friday 19th December 2025
May half term (26th - 29th May)	Friday 13th February 2026
22nd – 26th June	Friday 1st May 2026