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**PiXL Gateway: Progression**

* **BTEC Applied Science**

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### The Perfect Vocational Student?

### List 10 skills or qualities that you will need to demonstrate to be ‘the perfect vocational student’.

|  |
| --- |
| 1 |
| 2 |
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| 8 |
| 9 |
| 10 |

The BTEC course you are about to embark on will enable you to discover different ways of studying and learning. For example:

#### Teaching and Learning styles

* Group/Pair work Discussions
* Class debates
* Student presentations
* Research Projects
* Media – film / music / interactive websites
* Role play
* Replication of studies
* Independent study/reading
* Extended writing
* Quizzes and games

To get you in the habit, choose one of the above and come back in September with an example of how you have done it. For example, you may make a short film about your summer or research something that you are interested in.

Below, explain in more than 100 words what you are going to do.

#### Organisation is the Key to Good Study Skills

**How to be organised:**

* Number and date all of your notes and handouts to keep them in order.
* Use a folder and file dividers to separate each unit for coursework.
* Take responsibility for catching up if you miss a lesson due to illness. Find the resources that you missed and also photocopy a friend’s written notes.
* Check the relevant section in the textbooks and make extra concise notes if it improves your understanding. If you don’t feel confident about a particular area, consult your teacher. Never be afraid to ask for help if you don’t understand.
* Always come prepared to class, bringing course handbook, writing equipment, class notes from previous lessons, diaries etc.
* If at any point you feel overwhelmed by the work – call for help – wave – don’t drown!

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Watch this video:

<https://www.youtube.com/watch?v=Nk2MBb96RJo>

Over the summer break start thinking about how you will implement these Top 10 Tips and ensure that you have but everything you need in place for September.

Below write down the 3 you most need to focus on:

1.

2.

3.

**Assignment Action Plan Proforma**

Before starting each new assignment it is important that you think carefully about how you will complete your work to the highest standard you can, whilst always meeting the given deadlines.

**Practice Assignment**: You are an environmental scientist advising an industrial company. You have been asked to present to the company the possible impact on local ecosystems of human activities and recommend what can be done to monitor and limit the impact on the environment.

Answer the following questions – use the answers as a guide.

|  |  |
| --- | --- |
| In summary, what do I need to do for each task? Talk about each individual task. |  |
| When do you plan to start the tasks for this assignment? |  |
| When do you plan to finish each of the tasks? |  |
| Are there any words you don’t understand from your assignment brief or from the lessons? |  |
| How often will you review your work with your tutor? |  |
| What is your final deadline? |  |
| How will you check your work is written well and is accurate? |  |

**Key Words in Vocational Assignments!**

Understanding the command words for different levels is vitally important for success. Below are sample words that may be used in assignments for the different levels. Fill in the definition of these words on the right-hand side on the table for Pass, Merit and Distinction.

**Key Words for a Pass**

|  |  |
| --- | --- |
| **Complete** |  |
| **Demonstrate** |  |
| **Describe** |  |
| **Identify** |  |
| **List** |  |
| **Name** |  |
| **Outline** |  |
| **State** |  |

**Key Words for a Merit**

|  |  |
| --- | --- |
| **Analyse** |  |
| **Comment on** |  |
| **Compare & Contrast** |  |
| **Describe** |  |
| **Explain** |  |
| **Justify** |  |
| **Assess** |  |
| **Discuss** |   |

**Key Words for a Distinction**

|  |  |
| --- | --- |
| **Analyse** |  |
| **Evaluate** |  |
| **Justify** |  |
| **Recommend** |  |
| **Draw conclusions** |  |

**Application Task**

Read the article : **Nature crisis: Humans 'threaten 1m species with extinction'** <https://www.bbc.co.uk/bitesize/guides/z93mk2p/revision/1>

1. Describe at least 5 human activities and their effects on the ecosystem. Don’t forget to use data to describe the effects.

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2. Explain what the author means by “Transformative Change”.

 <https://www.bbc.co.uk/bitesize/guides/z93mk2p/revision/1>

*………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………*

3. Evaluate the use of “Transformative change” in protecting biodiversity.

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|  |
| --- |
| *“Land use now appears as the major driver of the biodiversity collapse, with 70% of agriculture related to meat production," said Yann Laurans from IDDRI, the French policy research institute.* |

4. Discuss using evidence from this article that justifies (supports) this statement.

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**Work Experience**

You are studying a vocational course and to be successful you need to understand what it is like to work in that industry. Over the next few weeks find out more information about your subject area by carrying out some of the below:

* Speak to someone who works in that sector.
* Research on the internet salary, working practice, qualifications, potential roles etc.
* Look for vacancies in the sector to determine experience and qualifications that are required.
* Find opportunities for work experience or job shadowing.
* Begin to look at opportunities after college/ sixth form to ensure you know what you need for that next step.

Once you have done any of the above record it in the table below:

|  |  |  |
| --- | --- | --- |
| Activity | Date  | Findings |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

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