**Year 10 Autumn Term**

**Exam Preparation Support**

**Science**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Revision list and Advice**

|  |  |  |
| --- | --- | --- |
| **Topics** | **PAGE NUMBER** | **DONE** |
| **Cell Biology B** | | |
| Cell division | 20-21 |  |
| Cell differentiation | 20-21 |  |
| Cancer | 31 |  |
| Stem cells | 20-21 |  |
| Stem cell banks | 20-21 |  |
| Cells at work | 48-49 |  |
| Living without oxygen | 48-49 |  |
| **Atomic structure and the periodic table B** | | |
| The periodic table | 92-93 |  |
| Developing the periodic table | 92-93 |  |
| Comparing metals and non-metals | 92-93 |  |
| Metals and non-metals | 92-93 |  |
| Exploring group 0 | 92-93 |  |
| Exploring group 1 | 92-93 |  |
| Exploring group 7 | 92-93 |  |
| Reaction trends and predicting reactions | 92-93 |  |

**Revising in Science**

Revision needs to be an **active process** and cannot just be copying words from one page to another. So how do you do it???

Before you do this you should have:

* Read through the section from the revision guide
* Written a list of the key words from the section and defined each one.

**Summarising key points**

A good summary should include:

* What, when, where, how, why?
* Pictures or diagrams where appropriate
* Link together key points as short sentences
* Use headings and subheadings
* UIs of colours to highlight information

**Making a revision card**

A good revision card should:

* Have even less on it than the summary page! Keep the information short and precise.
* Use pictures and diagrams where appropriate.
* Be used as a two-sided document e.g. why not have questions on one side and answers on the other so you can use it to test yourself!?
* Use colours, highlighters, capital letters etc to show important information

**Turning information into pictures:**

This is quite a simple one! But can be really helpful if you are a visual learner. The rules are: Only use FIVE WORDS MAXIMUM per page.

**Concept maps**

A good concept map should:

* Have lots of key words throughout (remember to use the list made at the start!)
* Link ideas together clearly using lines and arrows.
* Be simple. No long explanations are needed – try to limit each point to three words.
* Arrange the concepts in order of importance. Write the main concept at the top of a separate sheet of paper. Write the main points throughout the middle of the paper.
* Highlight important points in boxes and colours

**Top revision tips**

* Make sure you know which topics you need to revise for each subject. Use a revision list
* Make your revision active. Don’t just read notes. You could make flash cards, mind maps or use post it notes
* Watching videos online can really help to bring your notes alive!
* Test yourself by completing questions or asking a friend to test you! This will identify areas of strength and weakness
* Build in breaks and rewards for your revision and have your favourite snack.

**Online resources.**

<https://www.bbc.co.uk/bitesize/examspecs/z8r997h> general revision, videos and practice questions

<https://classroom.thenational.academy/subjects-by-key-stage/key-stage-4/subjects/combined-science> online lessons

**Exam technique: have you got TICKS?**