**YEAR 10 - EARTH SCIENCE RESEARCH ASSIGNMENT**

Select ONE topic below and present your research in a poster (no larger than A3).

Please note your posters will be viewed by other students in class.

**DUE DATE: MONDAY 11th November (Week 5)**

**Topics:**

* *How many ice ages have there been and how do we know this?*
* *What causes ice ages to start and finish?*
* *Why is it important to reduce global warming?*
* *Why is it difficult to stop global warming once it reaches a certain point (e.g. ice sheets or permafrost melts)*
* *What are El Nino and La Nina currents and how do they impact climate?*
* *What is the global conveyor belt and what is its role in maintaining life systems on Earth?*
* *What causes ocean acidification and how does it impact life in the ocean?*
* *What harmful rays and particles does the sun emit?*
* *How does the Earth’s atmosphere protect us from these?*
* *How does the Earth’s magnetosphere protect us from these?*
* *What are CFC’s, what were they used from and what was their effect on the ozone layer?*
* *Research a significant space mission – discuss where they went/going to and what they found out or hope to find out*
* *What is coral bleaching, what causes it and how it is affecting the Great Barrier Reef?*

**Marking Key:**

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| **Design:**   * Visually appealing * Use of diagrams | 1  1 |
| **Information:**   * Relevant * Accurate * Supporting details/facts | 1  2  2 |
| **Organisation:**   * Content is concise * Well organised / sequenced | 1  1 |
| **Bibliography** | 1 |
| **Total Marks** | **10** |