**Your Task: Cell structure – Nucleic acid structure**



**ST BENEDICT'S CATHOLIC**

**Applied Science: Biology**

Y

**Recommended Resources:**

* GCSE CGP revision book or textbook
* A-Level biology textbook
* Applied Science AQA site

**Key words linked to the syllabus:**

|  |  |
| --- | --- |
| **Key word** | **Definition** |
| DNA |  |
| RNA |  |
| Double helix |  |
| Phosphate ion |  |
| Deoxyribose sugar |  |
| Base |  |
| Sugar-phosphate backbone |  |
| Hydrogen bond (in the double helix) |  |
| Phosphodiester bond (in the double helix) |  |

**Teacher Stamp:**

**Date: …………………….**

**Questions I need to ask in the lesson:**

**Task:**

Q1.Give the name of the 4 base letters found in DNA. The first one has been done for you.

|  |  |
| --- | --- |
| **Base letter** | **Name** |
| **A** | **Adenine** |
| **T** |  |
| **G** |  |
| **C** |  |
| **U** |  |

Q2.Identify the complimentary base pairs in DNA and RNA.

Q3. List at least 2 differences between the structure of DNA and RNA.

Q4. List at least 2 similarities between the structure of DNA and RNA.