

**Subject: Biology**

**Year 12 Prep Task**

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| **Key Info**   * **Understand the importance of DNA and key discoveries made.** * **Identify how these discoveries have influence advancements in biology** * **Recall key systems in the body and be confident with labelling these** | | |
| **Week beginning:**  **22.07.24** | **Expected completion time:**  **Due Sept 2024 – first lesson.** | |
| **Activities to be completed** | **Location of resources** | **Additional resources/support** |
| 1.) Watch the documentary and produce an A3 poster or minimum 2 sides of A4 summary on DNA including;   * a labelled diagram * DNA 101 – what actually is it, where do we find it and what is it responsible for? * What discoveries have happened in the past 100 year and how have they been helpful? * How does DNA link to extinction and evolution?   2.) Read the article and answer the questions  3.) Write a story from the perspective of a single red blood cell detailing its journey through the circulatory system starting off in, and returning to, the body | YouTube  DNA Science – The secret of life documentary  <https://www.youtube.com/watch?v=Vu-CipMtGzQ>  Science Journals for Kids  Evolution in action – are Voles shrinking?  <https://www.sciencejournalforkids.org/articles/evolution-in-action-are-voles-shrinking/> | <https://kids.britannica.com/kids/article/DNA/390730>  <https://www.youtube.com/watch?v=mZt1Gn0R22Q>  <https://www.bhf.org.uk/informationsupport/how-a-healthy-heart-works>  <https://www.nhsinform.scot/illnesses-and-conditions/heart-and-blood-vessels/about-the-heart/how-the-heart-works/> |
| **Work to be submitted:**   1. DNA Summary 2. Evolution Article Question answers 3. Story; The journey of a blood cell. | | |