Induction Task

Biology

Essential Information

Exam Board: AQA

Specification Code: 7402

Teachers: Miss C Savage, Miss R Cross, Mrs C Towler

Compulsory Reading

Head Start to A Level Biology - CGP

https://www.cgpbooks.co.uk/secondary-books/as-and-a-level/science/biology/bbr72-head-start-to-a-level-biology-with

Essential Maths Skills for A Level Biology - CGP

https://www.cgpbooks.co.uk/secondary-books/as-and-a-level/science/biology/bmr71-a-level-biology-essential-maths-skills#

Task to be completed:

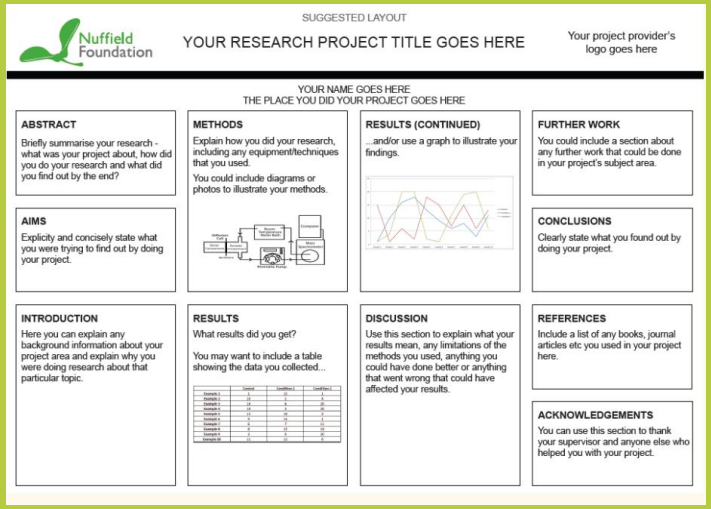
Water is an essential molecule for life. Explain why.

Complete the following:

- A practical investigation into two properties of water, with conclusions supported by both your data and research that explains each of these properties.
- An annotated drawing of the structural formula of water.
- An explanation of the importance of water in at least three different biological systems or processes.
- This explanation needs to incorporate the properties of water from your investigation and be linked to your research in order to explain how water is essential to the systems or processes you have chosen.

Presentation:
You may wish to use a format such as the one suggested here to present your work. You are required to reference any source or research material you use.

Extra Credit:
Suggest how your work could be extended.


SUGGESTED LAYOUT

Nuffield Foundation

YOUR RESEARCH PROJECT TITLE GOES HERE

Your project provider's logo goes here

YOUR NAME GOES HERE
THE PLACE YOU DID YOUR PROJECT GOES HERE

ABSTRACT
Briefly summarise your research - what was your project about, how did you do your research and what did you find out by the end?

METHODS
Explain how you did your research, including any equipment/techniques that you used.
You could include diagrams or photos to illustrate your methods.

RESULTS (CONTINUED)
...and/or use a graph to illustrate your findings.

FURTHER WORK
You could include a section about any further work that could be done in your project's subject area.

AIMS
Explicity and concisely state what you were trying to find out by doing your project.

CONCLUSIONS
Clearly state what you found out by doing your project.

INTRODUCTION
Here you can explain any background information about your project area and explain why you were doing research about that particular topic.

RESULTS
What results did you get?
You may want to include a table showing the data you collected...

DISCUSSION
Use this section to explain what your results mean, any limitations of the methods you used, anything you could have done better or anything that went wrong that could have affected your results.

REFERENCES
Include a list of any books, journal articles etc you used in your project here.

ACKNOWLEDGEMENTS
You can use this section to thank your supervisor and anyone else who helped you with your project.

What else could I do to prepare?

Read

* The Immortal Life of Henrietta Lacks. Skloot R
* The Selfish Gene. Dawkins R
* The Energy of Life. Brown G
* An Anthropologist on Mars. Sacks O

Watch

Miss Estruch - You Tube What to expect in A Level Biology

Listen

The **Big Biology Podcast** Full of episodes tackling the biggest unexplained questions in Biology

https://www.bigbiology.org/

All tasks to be handed in during the first lesson of the subject in September