

YEAR 9

Independent learning to be completed during school closure

Science 8th June - 19th June

Over the course of a fortnight you would have 5 Science lessons. Please spend a minimum of 5 hours on the mini-project detailed below.

Respiration

Watch this video: <https://www.youtube.com/watch?v=CjLzQNtKnN8>

Task	Description
1	Write down the word and symbol equation for respiration
2	Explain how we get glucose into our body and into our cells
3	Write a paragraph explaining the importance of the circulatory system in respiration
4	Watch this advert: https://www.youtube.com/watch?v=AlyqcST29wQ Design a TV advert about the effects of smoking- this can be done on power point, prezzi or as a board by board sketch with descriptions as to what is happening
5	Complete the BBC bitesize lesson here: https://www.bbc.co.uk/bitesize/articles/z4hx6v4
6	Draw and label a scientific diagram of the heart and lungs. High extension: Explain the concept of gaseous exchange
7	Plan an investigation to show how your pulse rate changes with exercise. You must include: <ul style="list-style-type: none">• Independent Variable (What you change)• Dependent Variable (What you measure)• What will you keep the same• Method for your investigation• Prediction of what you think will happen in your experiment