

AS BIOLOGY

Activity 1:

Watch the following video:

https://www.youtube.com/watch?v=2OCz_i-jd9g

Make the structure of 2 amino acids. You could use pipe cleaners to represent bonds, and different coloured balls/polystyrene balls to show the different atoms/groups.

You should then show how a peptide bond is formed from condensation.

Activity 2:

Using the same video, you should make models of the secondary, tertiary and quaternary structure of proteins. Each should show the types of bonds/links between them.

Activity 3:

Write a paragraph to describe and explain the structure of either: haemoglobin or an antibody, and how the structure relates to its function.

It may be useful for you to use other YouTube videos or to search online for extra information.

You can email **Mr Maddison** if you have any questions regarding the course or these induction tasks:

Zak.Maddison@ashfield.notts.sch.uk

For the best chance of a quick reply, please do this before the summer break, emails during the summer break will get replies but these may take longer.