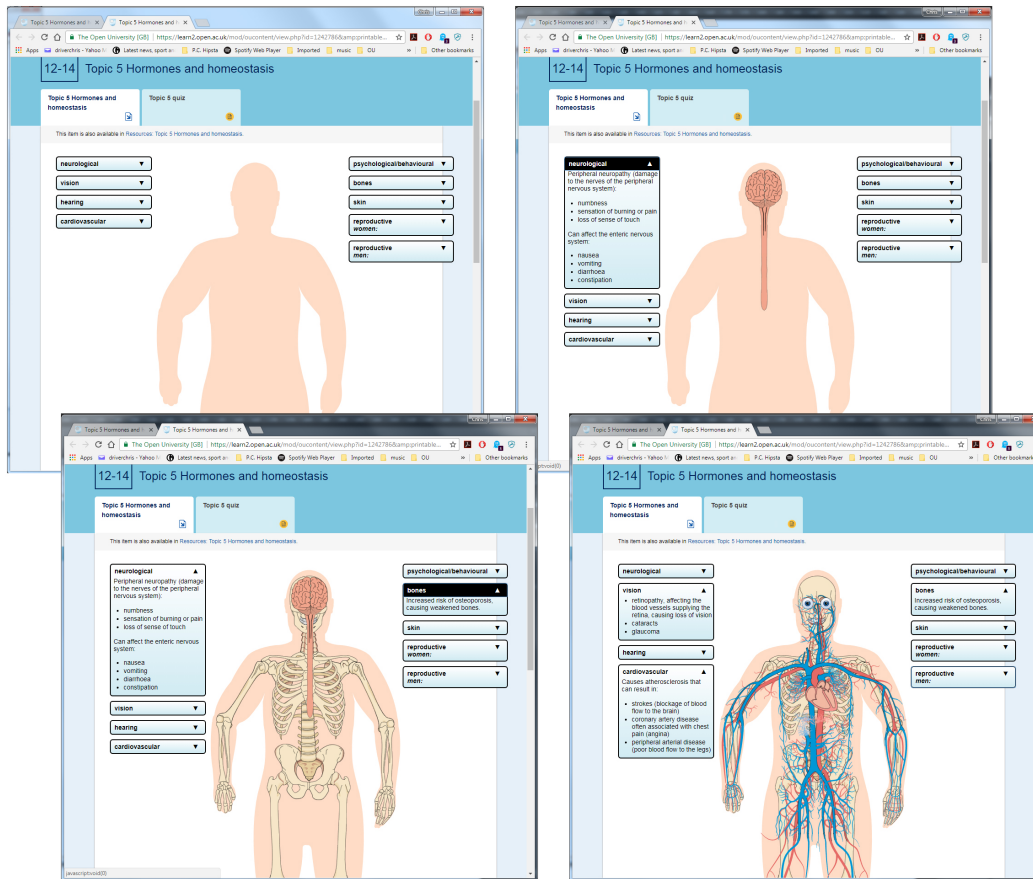


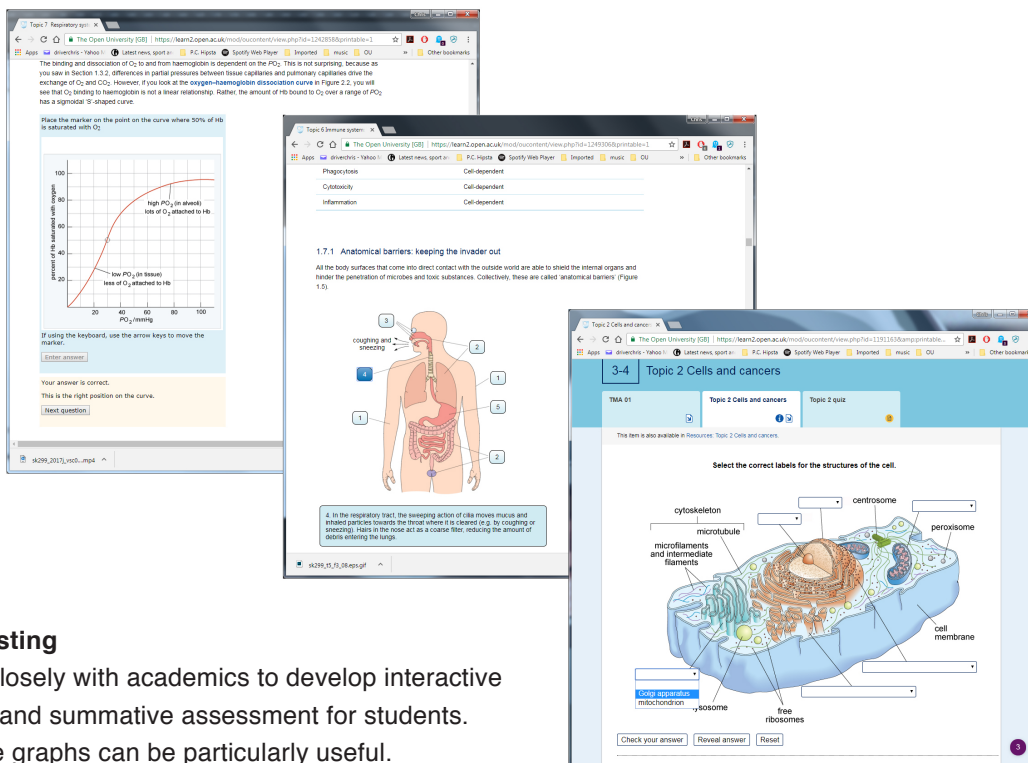
Chris Hough

Interactive and web examples.



Hormones and homeostasis

A complex layered interactive webpage that allows students to see what areas of the body are affected by different hormones and what can occur if homeostasis isn't maintained. The student can switch different layers on and off. Deployed in HTML5 to work across devices.



Online testing

Working closely with academics to develop interactive formative and summative assessment for students. Interactive graphs can be particularly useful.

Chris Hough

Interactive and web examples.



The Life Story of your t-shirt

Website developed to tell the global story of our clothing and its environmental impact. I worked with authors and developers to create the interactive concept and illustrate the journey of a typical t-shirt.

<https://www.open.edu/openlearn/people-politics-law/politics-policy-people/the-life-story-your-t-shirt>

Figure 2.18 (interactive) The family of mRNA codons and their corresponding amino acids.

In terms of the number of unique codons that code for a given amino acid, what distinguishes the amino acid alanine from tryptophan?

Complete Figure 2.19 by moving each amino acid next to its corresponding codon.
(If you are completing this activity on a touchscreen device please note that you'll need to touch on the item you want to move once, then touch on the location once to place it there.)

Proline (Pro, P)
This is a non-essential amino acid, meaning that it is made in the body (using the non-essential amino acid glutamic acid as a precursor molecule). Its structure is slightly different to most other amino acids because the amine group is incorporated into the side chain. It is hydrophobic.

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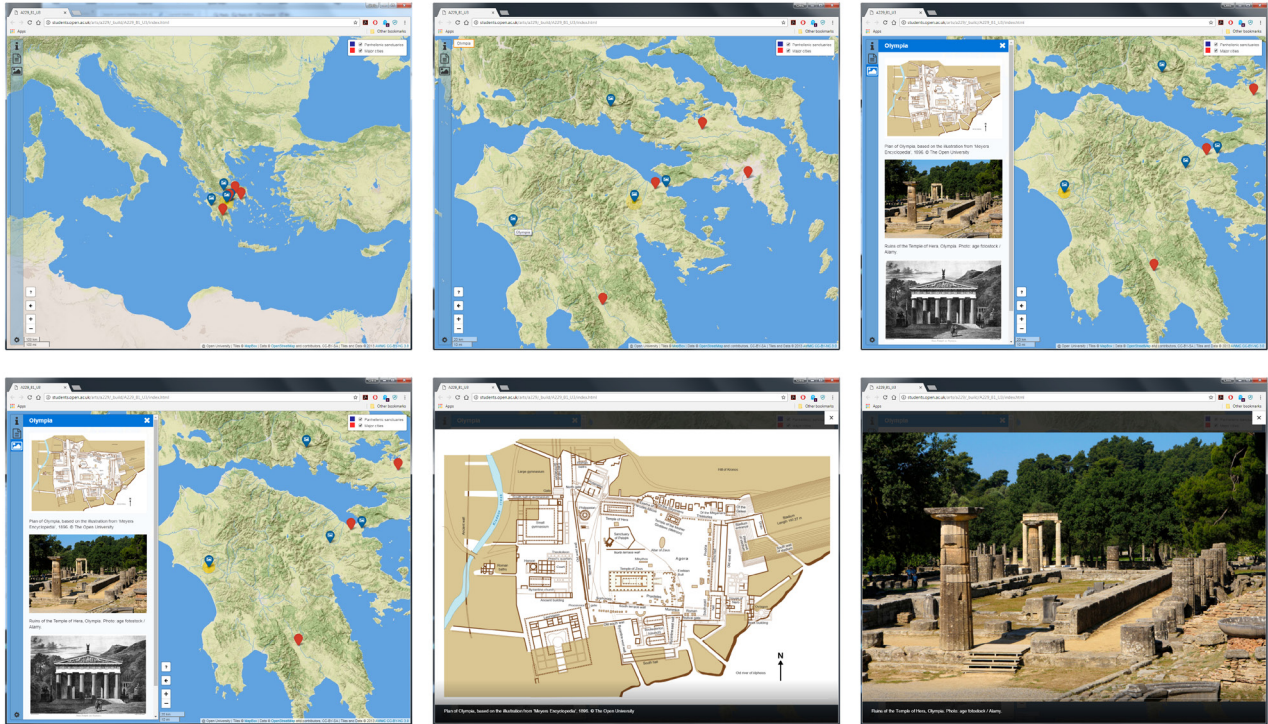
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Interactive DNA codon lookup

An incredibly challenging brief! Work with the academic and coder to paper prototype and then develop an interactive codon wheel showing what amino acids are coded for by RNA sequence. The user can pop up examples of their chemical structure. Deployed in HTML5 to work across devices.

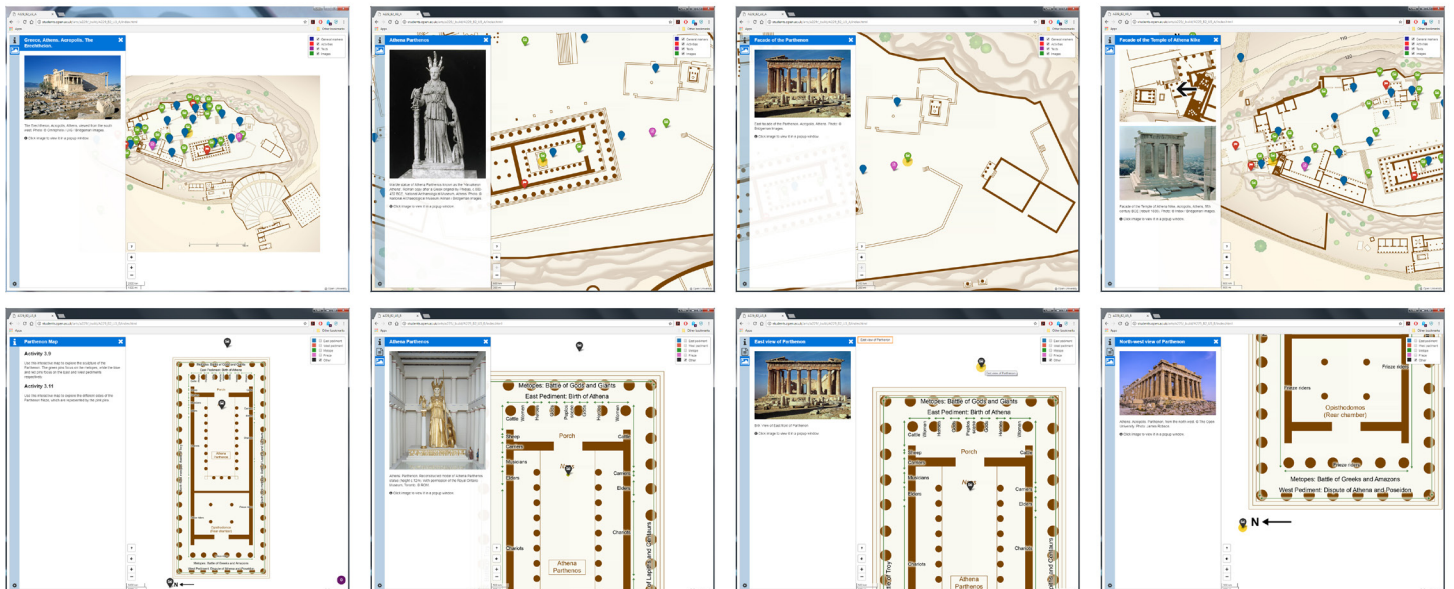
Chris Hough

Interactive and web examples.



Classical studies

Working with OpenStreetMap, a collaborative project to create a free editable map of the world, we created a virtual field trip for the classics student.



Classical studies

Another virtual field trip for the classics student allowing them to drill down into highly detailed maps of Athens and the Acropolis and show temple plans, photos and a wealth of supporting information.