



Science

'Flash Mitosis' – Cell division using Adobe Flash animation

A new, exciting, creative science project for secondary schools

A number of sessions are available (up to 15 students). Alternatively, if you wish to bring a larger group then please contact us and we will try to accommodate you. Please ring for dates.

The Flash Mitosis workshop comprises:

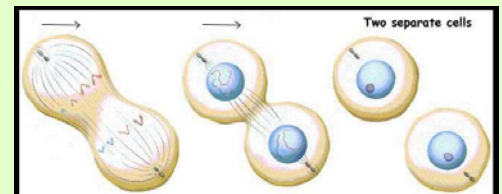
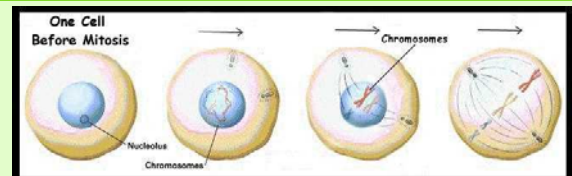
Mitosis, from late prophase to early telophase

Condensed Chromosomes moving to the equator, aligning of the equator, separating into chromatids and moving to the poles

Adobe Flash Skills

Drawing using the Flash toolbox, working with graphics, using layers, the timeline and points of change (keyframes) and smooth motion (motion and shape tweening)

Resources – Schools will be provided with a CD ROM containing pupils' animations



During this half-day practical workshop, pupils will revise their knowledge of Mitosis and work with graphics to create their own animation of cell division.

The workshop will be led by biologist Dr Tina Read (illumination-ed.co.uk) and will cover the basics of cell division (mitosis). Students will be introduced to the topic using Illumination Educational's online animations and then move on to create their own animations using Adobe Flash.

Pupils' knowledge of mitosis will be assessed anonymously, as a class, using a voting system.

The resulting animations will help pupils have a better understanding of mitosis and could also be used as a teaching tool back at school.

Schools attending the workshop will also have time-limited FREE access to Illumination-Educational's online Gene Journey website for revision purposes with the rest of the class back at school.

www.illumination-ed.co.uk/GeneJourney

This workshop has been designed to review and enhance the study of mitosis. Prior to attending a workshop you will need to have studied mitosis with your students. No previous knowledge of Adobe Flash is required

This half day workshop is suitable for Key Stage 4 and 5 students studying biology and also as an extension for some pupils at Key Stage 3.

To book your class on this free workshop please contact:

the learning lighthouse
city learning centre

0151 678 2509