



Art and Science

## 'Digital Micrographia' - Microscopic digital art

A new, exciting, creative Science and Art project for secondary schools

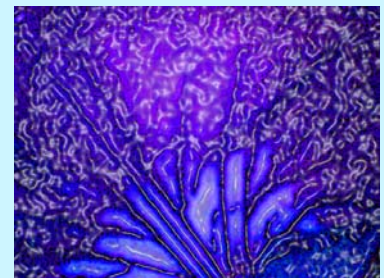
A number of sessions are available please ring for dates

*The Digital Micrographia workshop comprises:*

**Microscope Skills** – hands-on session - how to use a digital microscope, capture and save images. Examination of objects & specimens under different levels of magnification.

**Adobe Photoshop Skills** – how to enhance images by applying filters and changing the hue and saturation levels.

**Coursework** - record the process of modifying images using the Print Screen and copy/paste facilities to create an annotated, illustrated Microsoft Word document.

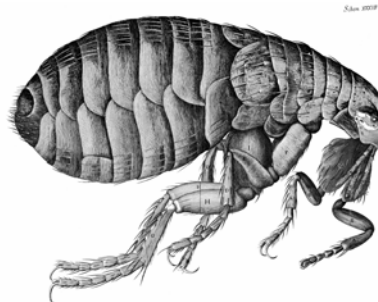


In 1665 Robert Hooke published *Micrographia*- detailing his observations through various lenses. *Micrographia* became an overnight sensation not just for what he described but for the superb drawings that he made. He described "a new world" alongside exquisite drawings of the stinging hairs on a nettle, a flea and, most famously of all, the honeycomb structure or "cells" of a cork. The most recent innovation, however, has been the arrival of the digital microscope. Digital microscopes allow for live image transmission to a TV or computer screen and have helped revolutionize microphotography.

Art students will use digital microscopes to explore objects under different levels of magnification. Images will be saved, modified using Adobe Photoshop CS3 and printed to inform further art work back at school. Students will record the process of modifying their images using annotations and illustrations.

*'Art is not what you see, but what you make others see'- Degas*

*'...science of Nature ... should return to the plainness and soundness of observations...'- Robert Hooke*



It is possible to adapt this workshop to your specific needs e.g. 'advanced' PhotoShop skills and this can be discussed at the time of booking.

This workshop has been designed to blend the subjects of Art and Science and reveal the fascinating details of the microscopic world.

Prior to attending a workshop you will need to collect specimens for microscopic examination.

This half day workshop is suitable for Key Stage 3 & 4 students.

To book your class on this free workshop please contact:

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