IMAGING PARTNERSHIP
EDUCATION
Exploring Education Through Imaging

Engineering and Systems Camera Club Sessions Overview

The emphasis is on practical hands-on learning through assembling and constructing system cameras and to demonstrate how pupils can easily improve their images by following some basic principles. The approach will be informal and fun.

Session 1 - 3: Bigshot, a build-your-own digital camera designed to get young people enthused about photography.

This includes a new 3MP camera assembly kit from Bigshot, designed to teach children about photography and engineering.

The camera kit is delivered in pieces which must be assembled in the correct order, with an online tutorial for guidance and explanation of the science. Once it's put together, pupils have a fully functioning 3MP compact camera on their hands.

Bigshot comes with a few unique features that the manufacturers hope will make it appeal to children. One is what the makers refer to as a 'Swiss army lens', which provides several different lens types on a single rotating wheel, from regular to panoramic and even 3D (the kit comes with a set of anaglyphic cardboard glasses).

Session 4 - 6: Make a Macro Lens the DIY photography way

A macro lens can be an expensive investment for parents, especially as it's a specialist lens that you might only use a few times a year.

Pupils will learn how to build, from listed resources, a Macro Lens which will enable to child to view images much larger (ideal for wildlife photography).