



IMAGING PARTNERSHIP

Exploring Education Through Imaging

Applied Science Club

Sessions Overview

Through a series of entertaining and educational workshops, based on practical hands-on experiences, this course is designed to give an appreciation of how Applied Science contributes to our understanding of how our world works, through the medium of Photography/Imaging and for pupils to gain an insight into a range of related careers.

Breakdown of Sessions for the Applied Science Workshops:

Session 1: Introduction to Climatology

Learning opportunities include:

- What is Ecology?
- The scale of Ecology
- Why is it important to us?

Session 2: Hydrology

Learning opportunities include:

- Water Cycles
- Landscape Photography
- Global Warming
- Lakes, Rivers and Oceans

Session 3: Introduction to Augmented Reality Applications

Learning opportunities include:

- What is Augmented Reality?
- AR in Education
- AR in Sports and Entertainment
- AR in Archaeology, Architecture and Construction
- Capturing Sports images (panning) and combining them with information

Session 4: Our Sun

Learning opportunities include:

- What is it? Why is it important?
- Why does it keep burning?
- How we use the Sun in Photography
- Capturing Silhouettes

Session 5: Meteorology

Learning opportunities include:

- What is 'Weather Systems and Models'?
- Climate Change
- Atmospheric Boundary Layer
- Circulation Patterns
- Heat Transfer (Radiative, Convective and Latent)

Session 6: Oceans and Land Surface

Learning opportunities include:

- Vegetation
- Land Use and Topography
- The atmosphere connected with Oceans
- Documentary Photography