

Cognitive Neuroscience 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 Neuroscience contributes to our understanding of how our brain works and its effects on our existence, through the medium of Photography/Imaging and for children to gain an insight into a range of related careers.

Breakdown of sessions for the Neuroscience club workshops:

[Session 1: Natural Science](#)

Learning opportunities include:

- What is Neuroscience?
- Why is it important?
- A brief history

[Session 2: Self-Control](#)

Learning opportunities include:

- What is the purpose of Systems Neuroscience?
- What are Neural Circuits?
- Anatomical (Sensory and Motor) Functions
- Physiological Responses, including Memory and Learning
- Observing behaviour through Street Photography

Session 3: Language Acquisition

Learning opportunities include:

- Consciousness
- Decision-making
- How the brain works
- Introduction to the spinal chord
- What are the Cranial Nerves?

Session 4: Self-Concept

Learning opportunities include:

- Exploring the brain in more detail
- Evolution, through vertebrates and invertebrates
- Looking at brain functions
- Capturing images to represent activity of different parts of the brain

Session 5: Life Science

Learning opportunities include:

- The structure of the spinal chord
- How it functions
- What happens when things go wrong?
- Medical Photography

Session 6: Neurophysics

Learning opportunities include:

- How we see and how the camera 'sees'
- Introduction to Portrait Photography
- Neuroscience Careers