

# Teacher Resources

All UK syllabuses mapped to the Core Concepts of neuroscience

Find explanations, videos, animations and images to enhance your lesson and inform your students

[www.bna.org.uk/schools](http://www.bna.org.uk/schools)



NEUROSCIENCE  
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# What are the Core Concepts?

**I**nside our heads, weighing about 1.5 kg, is an astonishing living organ consisting of billions of tiny cells. It enables us to sense the world around us, to think and to talk. The human brain is the most complex organ of the body, and arguably the most complex thing on earth.

**N**euroscience Core Concepts offer fundamental principles that one should know about the brain and nervous system, the most complex living structure known in the universe. They are a practical resource about:

- How your brain works and how it is formed.
- How it guides you through the changes in life.
- Why it is important to increase understanding of the brain.

**8** concepts are organized within 4 “Mega-Concepts” and contain fundamental principles that serve to stimulate further thinking and exploration. The Core Concepts have broad application for teaching:

- GCSE
- AS/A-Level
- National 5
- Higher
- Advanced Higher





The **Core Concepts** were developed with leadership from the Public Education and Communication Committee of the **Society for Neuroscience**.

In January 2007, more than a year of development began, including extensive consultation, review, and refinement by hundreds of neuroscientists and educators nationwide.

[www.brainfacts.org/about-neuroscience/core-concepts](http://www.brainfacts.org/about-neuroscience/core-concepts)

The **Society for Neuroscience (SfN)** is the world's largest organization of scientists and physicians devoted to understanding the brain and nervous system. The nonprofit organization, founded in 1969, now has nearly 38,000 members in more than 90 countries and over 130 chapters worldwide.

[www.sfn.org](http://www.sfn.org)

The **British Neuroscience Association (BNA)** is the professional body in the United Kingdom that represents neuroscientists and is dedicated towards a better understanding of the nervous system in health and disease. In 2017, the BNA adapted the Core Concepts to the UK National Curriculum and Scottish Curriculum for Excellence.

[www.bna.org.uk](http://www.bna.org.uk)

# Join the BNA

## Associate Membership

- **Reduced fees** for all our meetings
- Printed publication, the **BNA Bulletin**
- Be part of the international neuroscience community with **free** membership of FENS & IBRO
- Support neuroscience researchers in the UK
- Chance to meet leading international neuroscientists and ask them your questions
- *...and much more!*

Visit [www.bna.org.uk/about/membership](http://www.bna.org.uk/about/membership)

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[www.wellcome.ac.uk](http://www.wellcome.ac.uk)

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