



Contribution ID: 77

Type: **In-person interactive poster session**

## Applying Cognitive Neuroscience Insights to the Language Classroom.

*Sunday 18 May 2025 11:05 (1 minute)*

### TITLE

Applying Cognitive Neuroscience Insights to the Language Classroom

### RELEVANT SIG

Mind, Brain, and Education

### FORMAT

Practice-oriented Oral Face-to-face presentation (25 minutes, including Q&A)

### Short English description

### KEYWORDS

cognitive neuroscience  
mind and education  
brain

### First-time presenter?

First-time presenter

### ABSTRACT

Recent technological advancements, such as fMRI and EEG, have revolutionized our understanding of the brain. Insights from cognitive neuroscience and neurobiology reveal how concepts like neuroplasticity, memory, and critical periods of learning (Werker & Hensch, 2014) directly impact language acquisition. However, using this information in the classroom remains underexplored. How can we, as educators, integrate these concepts in our classrooms? This presentation bridges the gap between research and practice by showcasing how educators can apply neuroscience and neurobiology principles to language teaching. Key topics include the role of attention, fostering active engagement, providing error feedback, and supporting consolidation (Dehaene, 2020).

Additionally, we will explore how storytelling and emotions enhance language education, aligning with recent brain studies. Participants will gain practical strategies that can be immediately applied to their classrooms to create more effective and engaging learning environments. This presentation is designed to be interactive, encouraging participants to share their experiences and create opportunities to reflect on how neuroscience can transform teaching practices. Whether you are an experienced educator or new to these concepts, this presentation offers valuable perspectives on integrating neuroscience into language education.

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**Session Classification:** Sunday Posters

**Track Classification:** Mind, Brain, and Education