



# CAMBRIDGE

International Education

Cambridge IGCSE™ Psychology 0266

## Lesson 14: Memory and forgetting 1.5 Role of the brain in memory and forgetting

<b>Learning objective</b>	To gain knowledge and understanding of the role of the brain in memory and forgetting
<b>Lesson objectives</b>	<p>By the end of the lesson, learners will be able to:</p> <ul style="list-style-type: none"><li>• Describe the named study about HM amnesia (Milner et al)</li><li>• Explain how the results and conclusion of the study support the argument for the role of amygdala and hippocampus in memory</li><li>• Explain the argument against the role of amygdala and hippocampus in memory</li></ul>
<b>Vocabulary</b>	n/a
<b>Previous learning</b>	Learners have studied the role of different parts of the brain in memory, including the effect of brain damage on memory and forgetting.

### Plan

<b>Activities</b>		<b>Resources</b>
<b>Beginning (5 mins)</b>	Learners use the starter activity to identify ethical and practical challenges for psychologists studying brain damage.	HM video: <a href="https://www.youtube.com/watch?v=KkaXNvzE4pk">www.youtube.com/watch?v=KkaXNvzE4pk</a>
<b>Middle (50 mins)</b>	<ul style="list-style-type: none"><li>• Discuss learners' ideas about the ethics and practicality of case studies of people with brain damage. Use the example questions provided to deepen learners' understanding and extend their ideas, linking to research methods.</li><li>• Share the named study summary with learners who can make notes / complete a mind map template.</li><li>• Learners watch the video on HM amnesia and add further detail to their notes. Use accompanying questions from the TED talk to support learning.</li><li>• Discuss the argument against the role of the amygdala and hippocampus and ask learners to complete the paired research activity. Ensure they have a sound understanding of the role of the cerebral cortex in memory formation and loss.</li></ul>	TED talk questions: <a href="https://ed.ted.com/lessons/what-happens-when-you-remove-the-hippocampus-sam-kean/think">https://ed.ted.com/lessons/what-happens-when-you-remove-the-hippocampus-sam-kean/think</a>

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**End (5 mins)**

Learners check their understanding through writing multiple choice questions on the topic and testing one another. Ask them to identify any areas for review next lesson.

### Reflection and evaluation

**Reflection:**

**Summary evaluation:**

What two things went really well? (Consider both teaching and learning.)

- 1.
- 2.

What two things would have improved the lesson? (Consider both teaching and learning.)

- 1.
- 2.

What have I learned from this lesson about the class or individuals that will inform my next lesson?

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