

INSTITUTE OF PSYCHIATRY, PSYCHOLOGY & NEUROSCIENCE

## **Module:**

**Psychological Foundations of Mental Health** 

Week 1:

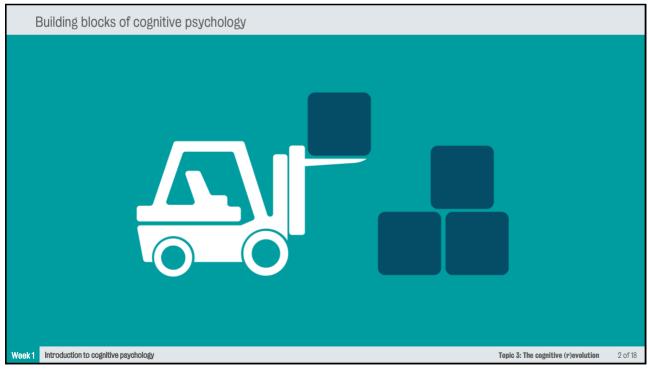
Introduction to Cognitive Psychology

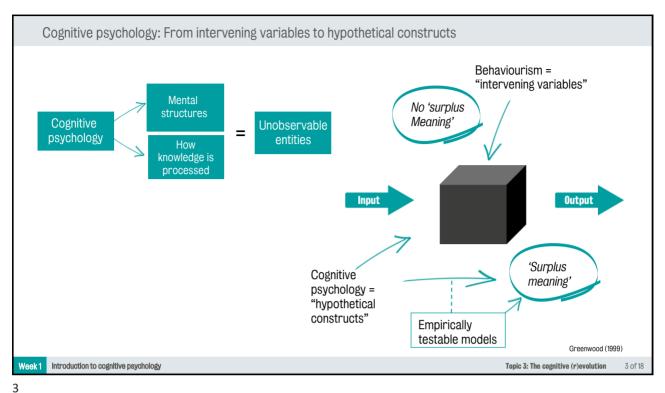


Professor Richard Brown

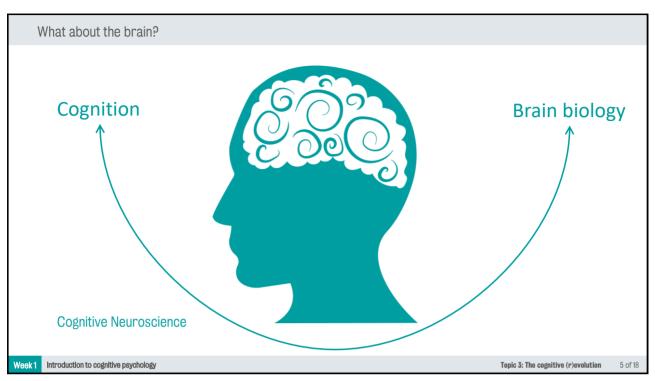
**Topic 3: The cognitive (r)evolution**Part 2 of 3

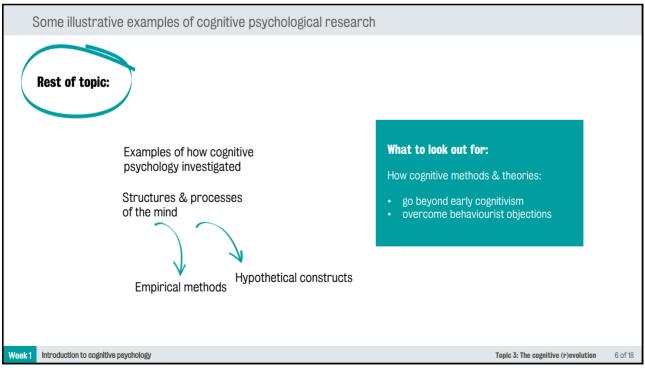
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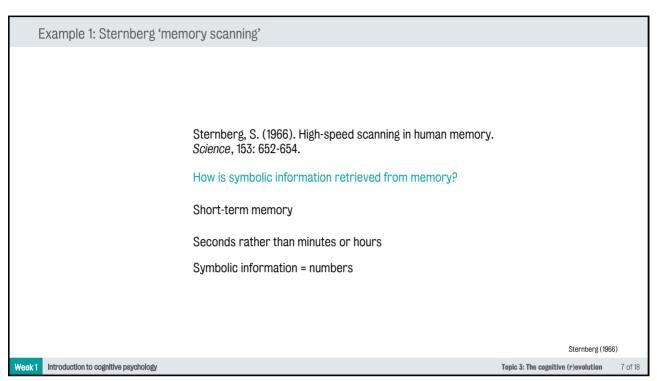




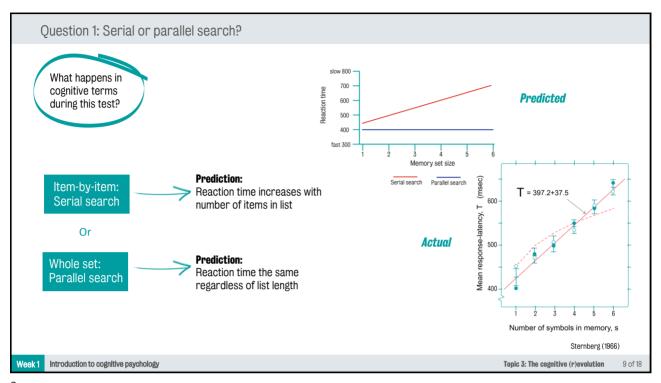
Hypothetical constructs: Cognitive building blocks What are the cognitive building blocks on which cognitive psychology models are based? Introduction to cognitive psychology Topic 3: The cognitive (r)evolution 4 of 18

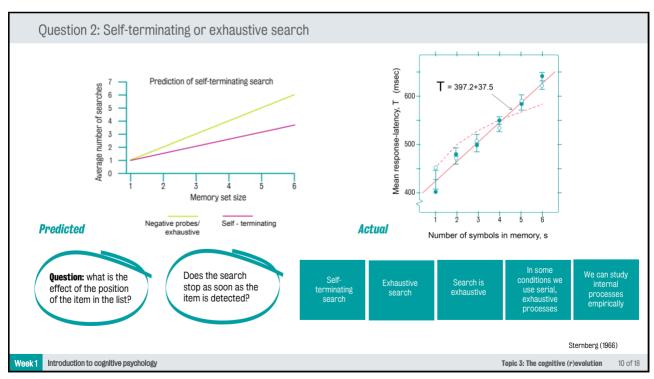






'Memory scanning' paradigm Test Limit of accurate recall = immediate memory span 3 1.2s Study 8 Items 1.2s 7 1.2s 3 1.2s 6 Measure reaction-time Present? Empirical question: What is the effect of the length of the list on time to decide? Results: Longer list = longer reaction time Sternberg (1966) Introduction to cognitive psychology Topic 3: The cognitive (r)evolution 8 of 18





## Example 2: 'Mental rotation'

Shepard, R and Metzler, J (1971). Mental rotation of three-dimensional objects. *Science* 171: 701-703.

**Processing of internal representation** 

Internal representation = mental image

Shepard & Metzler (1971)

Topic 3: The cognitive (r)evolution

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Week 1 Introduction to cognitive psychology

