SOL KEY TERMS

Cognitive Load
Cognitive Load Theory:
- Intrinsic
- Extrinsic
- Germane

Working Memory
Long-term memory
Schema

Cognitive Load Theory

Intrinsic Load (complexity of new information)

Germane Load (linking new info with current info)

Extraneous Load (unnecessary and distracting info)

SOL TEACHER FRIENDLY RESEARCHERS & PRINCIPLES

Oliver Caviglioli
Kate Jones
Barack Rosenshine
Tom Sherrington

Micro-projects
Pre-teaching
Rosenshine's Principles
Walk Thru's 1, 2 & 3

THINK, PAIR, SHARE — Q&F | 92
COLD CALLING — Q&F | 90
CHECK FOR UNDERSTANDING — Q&F | 96

Knowledge Organiser: Science of Learning

SOL Strategies

Elaborative Interrogation/Questioning
Dual Coding
Feedback
Interleaving
Knowledge Organiser
Managing Cognitive Load
Modelling/Examples
Retrieval practice
Self-explanation
Spaced practice

Related Concepts:
- Disciplinary Literacy
- Memory: Short and long-term
- Metacognition

SOL Resources

BLOGS:
Class Teaching. https://classteaching.wordpress.com/

Inner Drive: https://www.innerdrive.co.uk

Teacherhead (Sherrington)
https://teacherhead.com/

WEBSITES
Education Endowment Foundation
https://educationendowmentfoundation.org.uk

The Learning Scientist. https://www.learningscientists.org/

1. What is the story here?
2. What is its purpose?
3. How will you use it?

(HO 1)

Learner and Teacher Agency