



# WM & Learning Disabilities

- WHAT is the Core Deficit?
- WHY is Working Memory is involved?
- HOW to support Working Memory?



### DYSLEXIA (READING)

#### **GENERAL STRATEGIES**

- Reduce working memory processing in activities
  - History timelines

- 45 + 98

45

+98

### DYSLEXIA (READING)

#### **GENERAL STRATEGIES**

• Keep track of their place in complex activities

Rulers: reading & math problems

























# ADHD

#### SPECIFIC STRATEGIES

Reward frequently and intermittently

 Delayed Gratification











Workshop 1:

Do these students have a working memory problem?

#### Adam: 12 years old

- His teacher views him as a problem student. He is often restless and fidgety and has broken classroom equipment on several occasions.
- His work is of a low average standard, with its' quality varying considerably from day to day. His teacher is not sure whether he will reach national average levels in assessments, although she feels sure that he has the abilities to do so.

# George: 16 years old

- He is well-behaved and popular. His IQ is in the normal range. However, his academic performance is poor in all areas and he is in the lowest ability group in literacy.
- He often becomes frustrated by difficulties that he experiences, especially in writing. He does not usually participate in class discussions, and forgets what he wants to say even after he has raised his hand.

### Olivia: 7 years old

- She is outgoing and is well-liked by her classmates. Her IQ is in the high average range. She has a mature and responsible attitude, and is often chosen by her teacher to run errands.
- She is in high-ability groups in both literacy and numeracy, and often helps out less able children within the group, occasionally misguiding them.
- At times she is forgetful, and appears to be distracted from work. The teacher often asks her to help organize classroom activities, such as putting out art materials.