

Dyslexia & Memory

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Students with dyslexia often underperform in tests

Literacy is our academic measure of intelligence

Imaginative
Creative
Intelligent
Articulate
Insightful



Dyslexia & Memory How can we prepare dyslexic students for assessments and exams?

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Wellbeing

Distorted Self Image



Inconsistency



Anxiety



Depression



Frustration





Wellbeing

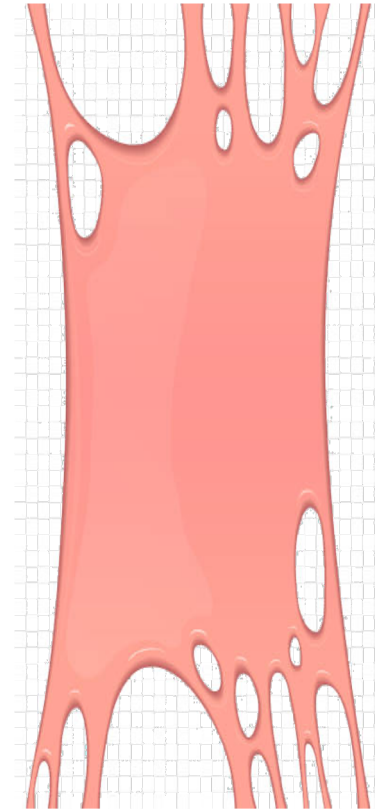
Preparation

Revision

Exam Technique



stickability





Preparation towards accessibility

Explain the process

Help them to understand why repetition and production needs to be planned into revision.

Create plans that support individual learning preferences and needs.

Teach revision with multimodal & multisensory elements.

Discuss the support package

Access Arrangements

Mock Exam

Peer Mentor

Build AT into the learning process

Dictation tools

Mapping software

ReaderPen

Accessibility features

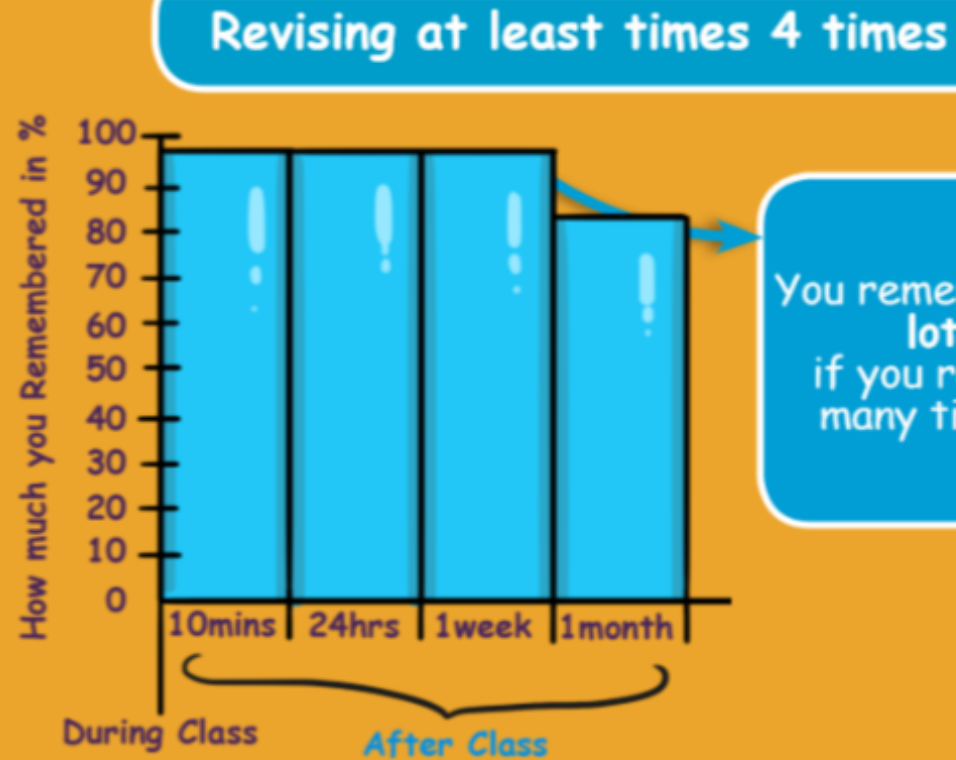


Dyslexia – Revision

Make the Most of Memory

Focus on multi-sensory and multi-modal revision

So, you can see that going through a topic once is NOT ENOUGH! You need to learn it and then revise many times.



The Oaka Guide to
Revision That Works!

The diagram consists of three vertical rectangular boxes, each with a pointed bottom, arranged horizontally. The first box on the left is teal and contains the text 'Knowledge Construction' in bold white font, followed by a paragraph in white font. The middle box is orange and contains the text 'Engagement' in bold white font, followed by a paragraph in white font. The third box on the right is a darker orange and contains the text 'Diverse Learners' in bold white font, followed by a paragraph in white font.

Knowledge Construction

Information acquisition is added to the learners memory and integrates multiple representations to improve learning outcomes.

Engagement

Learners become agents of their own meaning making by empowering them to be accountable and motivate by multiple ways to take in knowledge, skill, or concept.

Diverse Learners

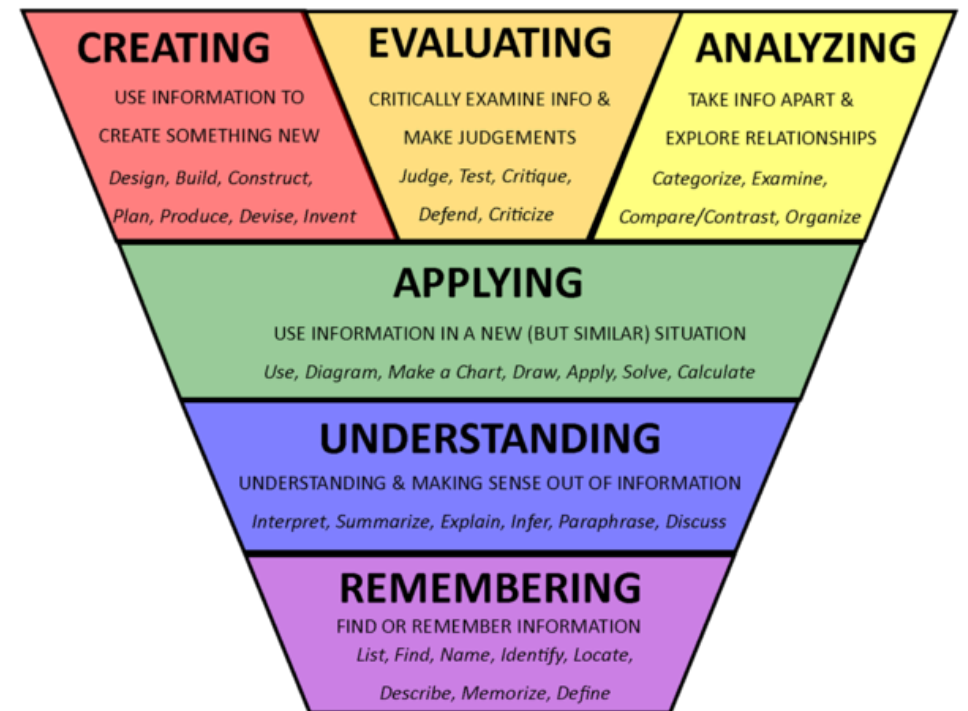
One size, style, or type of learning does not "fit" all. It puts the learning content into context for the learner regardless of their background or experience.



Stick-ability – a way to make the learner focus on ‘the learning’



- Improved engagement with SEN learners
- Scan, listen, remember, understand ...
- Bridge apply
- Analyse, create, evaluate
- Accessibility that supports “stick-ability”



Speaking and Listening

How Audio Promotes Literacy



85%

of what we learn,
we learn by listening.



EXPANDS
VOCABULARY

Improves Fluency

INCREASES READING
ACCURACY BY

52%



INCREASES
READING SPEED

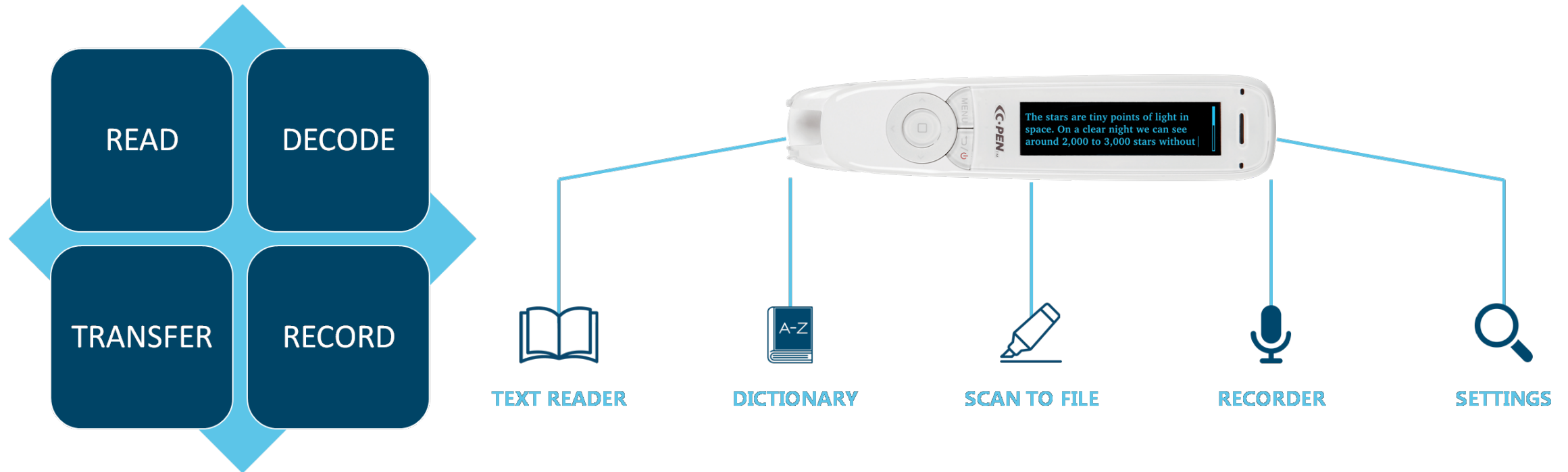
How Reader Pens Support Reading for Dyslexic Learners

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What is a Reader Pen?

How can a Reader Pen make content accessible?



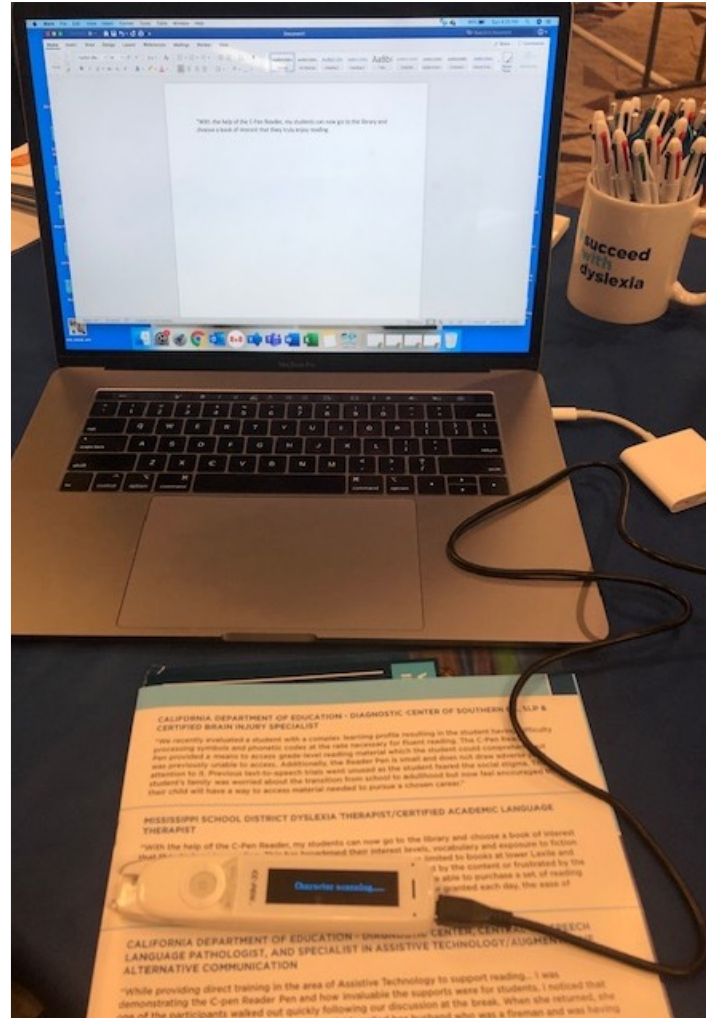
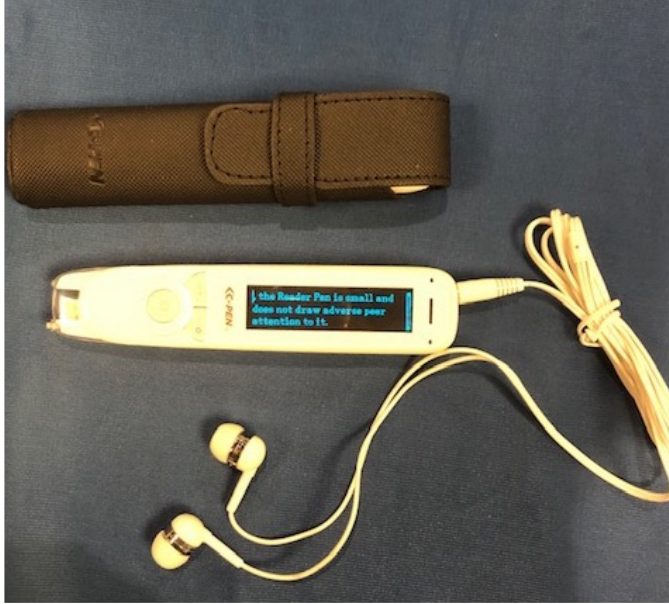
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Benefits of Using ReaderPen as a Multi-Sensory Tool

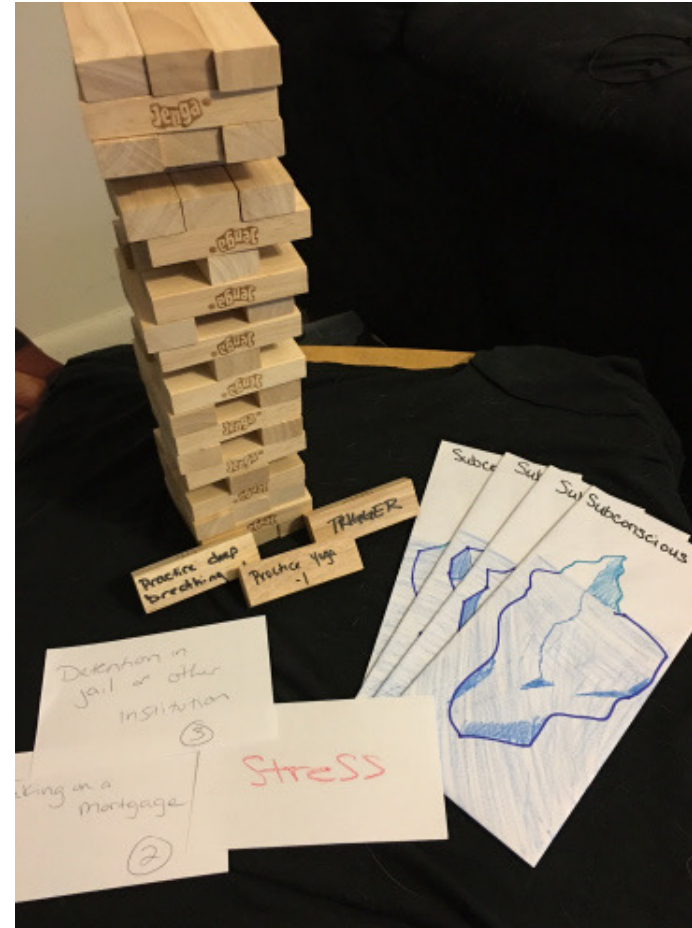
- reduces barriers
- improved academic performance
- increased motivation and confidence
- greater student awareness of their limitations and their ability to manage them
- improves social inclusion
- prepare for life after / outside school



Multiple Uses and Connections



Games and Literacy Support – Inclusive Classroom Practice



Reading makes me feel

My favourite sport is

When the teacher is cross, I

Sometimes I pretend

I am really good at

I avoid working by

When school work is difficult I

I like books about

Books make me feel

The way I relax is to

Three words to describe me are

I like to learn by

I really dread having to

My favourite place is

My biggest skill is

The thing I love to do most is

I am a good friend because

My best friends are

Teachers who smile

Someone I admire is

Unkind people say

Resource N1 Number Patterns and Words to Twenty

Maths Curriculum – Year 3/4 – Dyscalculia & Dyslexia Support

Visual Clustering and Comparison of Numbers

Language for Number Patterns

Objective: To teach number concept – numberness,

Improve recall of basic facts

Improve word number understanding

Build a visual reference code for number

Resources:

Game Ideas, 1 ScanningPen, Cut Out Colour Rods and Number Words

Teaching Activity Worksheets 1 and 2 (Numbers to Ten)

Teaching Activity Worksheet 3 (Numbers to Twenty)

Game Taking Turns, Listening and Making Number Patterns

2 -6 players

Secure Patten and Number Words to Ten

Secure Patten and Number Words to Twenty

Sorting Game: Taking Turns, 2-6 players

For each activity use the ScanningPen to read then repeat back

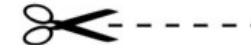
Order the rods from smallest unit to largest unit

Order the rods in multiples of two, four and five

Using the ScanningPen:

For each sum use the Scanning Pen to listen to the numbers that make up the totals for the sum.

Encourage players to repeat the numbers in the whole sum.



one

Print to card.

For use with ScanningPens

Do not laminate this resource

Picture 1: Cuisenaire Number Colour Rods



TOP TIP 1 : You can also use Cuisenaire Rods or Unifix to support this task.

TOP TIP 2 : Photograph the learners work as they progress.



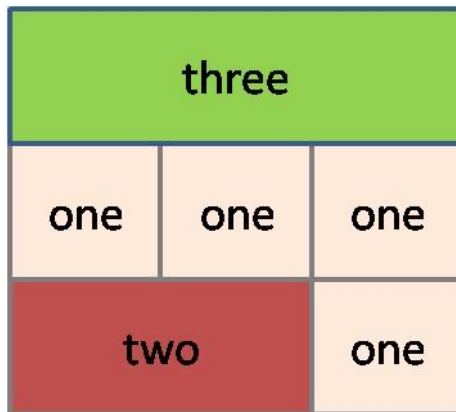
Number Patterns and Number Words to Ten Teaching Activity Sheet 1

Example Question:

- 1a** Show two ways of making three using the rods.
- 1b** Find the card that shows the number 3
Find the card that says three
- 1c** Write these sums using numbers
- 1d** Handwrite the word three

Example Answers:

1a



1b

3
three

1c

$$1 + 1 = 3$$
$$2 + 1 = 3$$

1d three

- 2a** Show four ways of making four using the rods.
- 2b** Find the card that says four
Find the card that shows the number 4
- 2c** Write these sums using numbers
- 2d** Handwrite the word four

- 3a** Show four ways of making five using the rods.
- 3b** Find the card that says five
Find the card that shows the number 5
- 3c** Write these sums using numbers
- 3d** Handwrite the word five

- 4a** Show four ways of making six using the rods.
- 4b** Find the card that says six
Find the card that shows the number 6
- 4c** Write these sums using numbers
- 4d** Handwrite the word six
- 4e** **How many more ways can you make six?**



Number Patterns and Number Words to Ten Teaching Activity Sheet 2

Example Answer:

4e How many more ways can you make six?

six					
five					one
four				two	
four				one	one
three			three		
three			two		one
three			one	one	one
two		two		two	
two		two		one	one
two		one	one	one	one
one	one	one	one	one	one

5a Show six ways of making seven using the rods.

5b Find the card that says seven

Find the card that shows the number 7

5c Handwrite the word seven

5d How many more ways can you make seven?

5e Write these sums using numbers

6a Show six ways of making eight using the rods.

6b Find the card that says eight

Find the card that shows the number 8

6c Handwrite the word eight

6d How many more ways can you make eight?

6e Write these sums using numbers

7a Show eight ways of making nine using the rods.

7b Find the card that says nine

Find the card that shows the number 9

7c Handwrite the word nine

7d How many more ways can you make nine?

7e Write these sums using numbers

8a Show eight ways of making ten using the rods.

8b Find the card that says ten

Find the card that shows the number 10

8c Handwrite the word ten

8d How many more ways can you make ten?

8e Write these sums using numbers



Key Take-aways

