



Catholic  
Education  
Tasmania

Student Focused  
Christ Centred  
Learning for Life

The following resource has been  
created for attendees of the  
Teaching Matters Summit.

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# Opening Address

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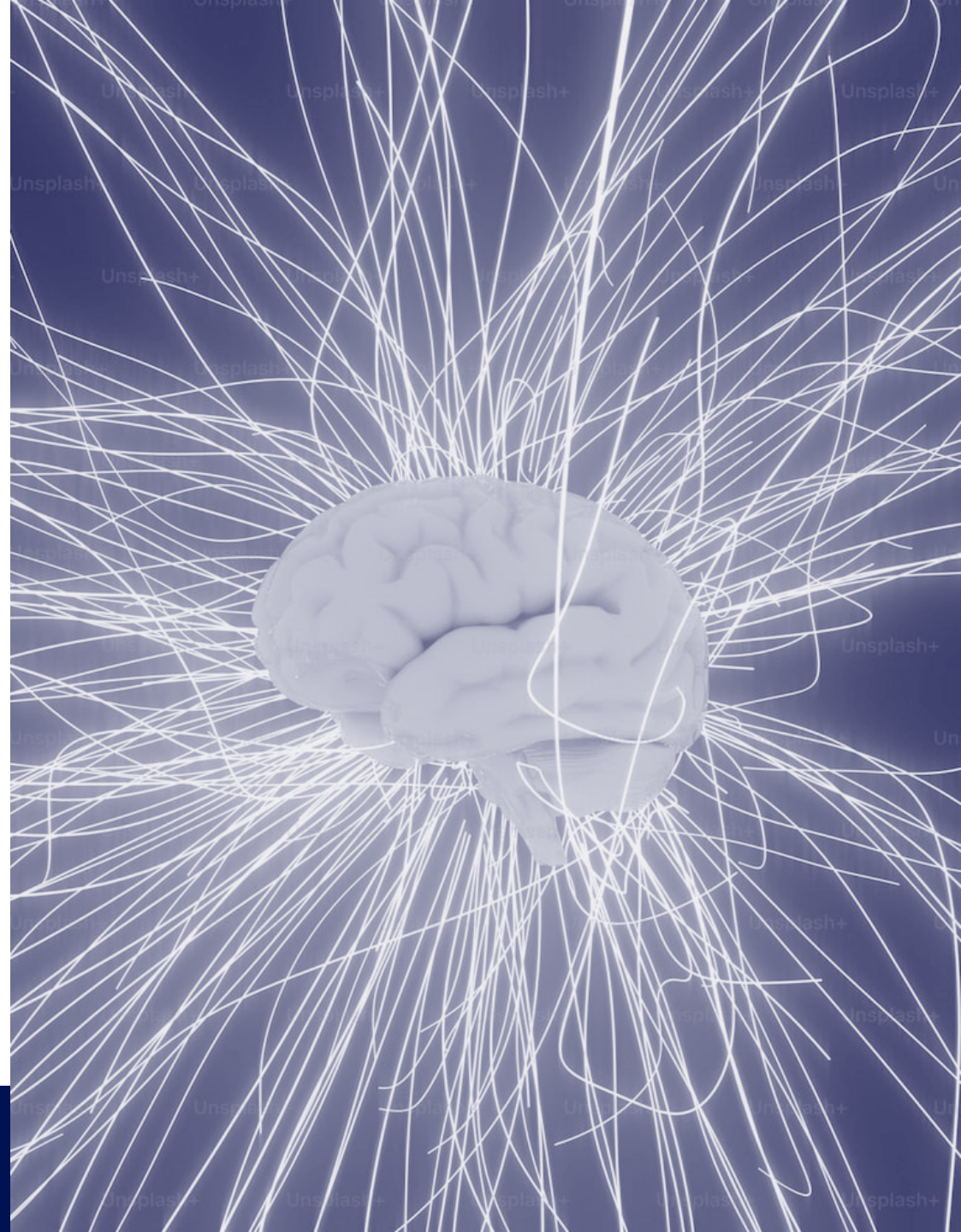
## TEACHING MATTERS

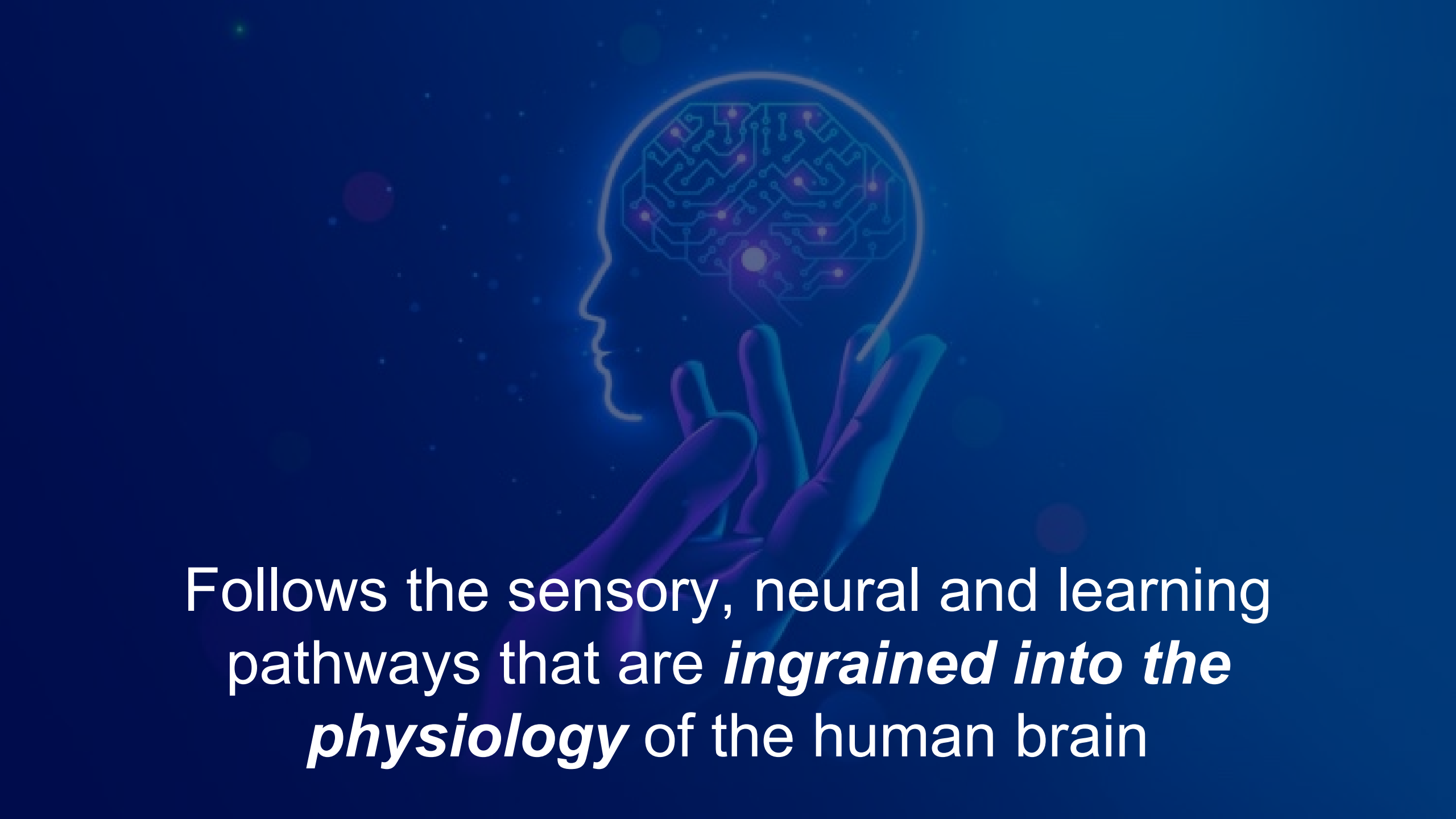
*SCIENCE OF LEARNING  
NATIONAL SUMMIT*



CATHOLIC EDUCATION  
Archdiocese of Canberra & Goulburn

**The Science  
of Learning**  
offers every  
student the  
brightest future





Follows the sensory, neural and learning pathways that are *ingrained into the physiology* of the human brain



Low cost



Low tech



Efficient



Evidence-based, historically proven



Worldwide research



Science of Learning (SoL)



Exceptional  
teaching practice



Science of Reading (SoR)



Global expertise

**The true end of learning is the accumulation and retention of knowledge and skills that**

Are practical, useful and necessary to function in society

**The true end of learning is the accumulation and retention of knowledge and skills that**

Enable the student to think, reason and problem solve creatively



**The true end of learning is the accumulation and retention of knowledge and skills that**

Allow the student to express truth, goodness and beauty

**The true end of learning is the accumulation and retention of knowledge and skills that**

Can be reliably retrieved with accuracy and transferability throughout life

# Just imagine...

A school curriculum for  
**comprehensive, deep,  
knowledge and  
understanding** beyond  
the core subjects



# Just imagine...

An education system delivering **direct, explicit instruction** in every core subject, every day.



In the same way that we feed an infant their food in small digestible amounts, so too as teachers, we **can “chunk” the content into “bite sized” pieces.**



Just imagine...

New knowledge reduced  
into **bite-sized, easily  
digestible pieces**



# Just imagine...

Lessons carefully **prepared and structured in advance** to achieve an 80% or higher success rate in answering questions



# Just imagine...

Teachers **checking understanding** at appropriate times, stopping and re-teaching







Explicit Direct Instruction

# Lesson Delivery Framework

Reference: *Dataworks Educational Research*

T

## each First

Before you ask the question so students are equipped to respond



A

## sk a Question

Specific to what you just taught



P

## air-share

With a partner so students practice their response to the question



P

## ick a Non-Volunteer

Randomly to verify that everyone is learning



L

## isten

To student responses so you can make real-time instructional decisions



E

## ffective Feedback

Elaborate, explain or reteach based on student responses



# Just imagine...

Vibrant and interesting daily lessons to **encourage focus, deep thought and knowledge sharing**



# Just imagine...

A teaching structure that  
**adapts each lesson to the  
needs of children with  
disabilities**



# Just imagine...

A reading program where children **sound out every new word** and embed in their memory



# Just imagine...

A spelling program that  
**teaches all the rules** in  
the primary years



# Just imagine...

An ordered, safe  
classroom where  
**behaviour is managed**  
to maintain focus



I-ěň

V d'ěň

Xňt' čň





Explicit and direct instruction



Reduce cognitive load



Constant feedback



Rehearse and review new content



Daily, weekly review of core content





## **BOLD GOAL**

To be the most improved educational system in Australia

**Theory of Learning**

**Knowledge Rich Curriculum**

**Empowered Educators**

**Fidelity to Catholic Mission**

A photograph of a classroom scene, overlaid with a semi-transparent blue filter. In the center, a female teacher with blonde hair tied back is leaning over a desk, looking at a notebook held by a young boy with glasses. To his left, another young boy is also writing in a notebook. The teacher is wearing a light-colored blazer and a lanyard. The background shows other students and classroom shelves. The text "The teacher is the most important learner in the classroom" is written in white, sans-serif font across the lower half of the image.

The teacher is the most important learner in the classroom



# INSIGHT



High quality  
resources



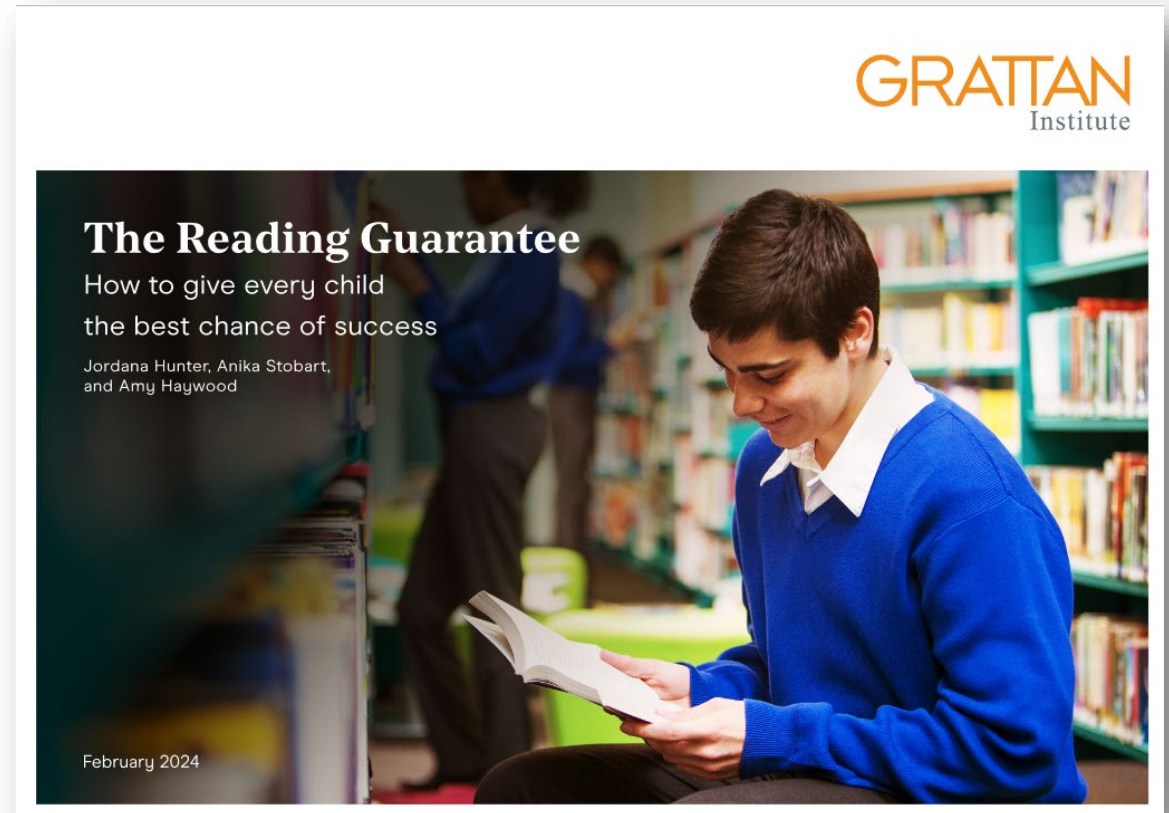
Curriculum  
guidelines



Professional  
learning and  
coaching

# Prioritising literacy to realise potential

“Every child we fail to teach to read misses out on a core life skill.”



# 5 Pedagogical efficiencies



Explicit and direct instruction



Rehearse and review new content



Reduce cognitive load



Daily, weekly review of core content



Constant feedback

# We remember and recall what we have frequently practiced

## Daily review

Check for understanding

## Questioning

Ask questions / Check for understanding

## Sequencing concepts and modelling

Present new material using small steps / Provide models /  
Provide scaffolds for difficult tasks

## Stages of practice

Guide student practice / Obtain a high success rate /  
Interdependent practice

### Neuro-scientific process

- ✓ Reinforce recently learnt material
- ✓ Imprint these learnings into memory



## Insight Report Card

Overwhelming evidence leads to early adoption

**27 Primary and 7 Secondary Schools  
(81.5%)**

**56 Primary Instructional Leader  
Teacher Practice (ILTP) Educators**

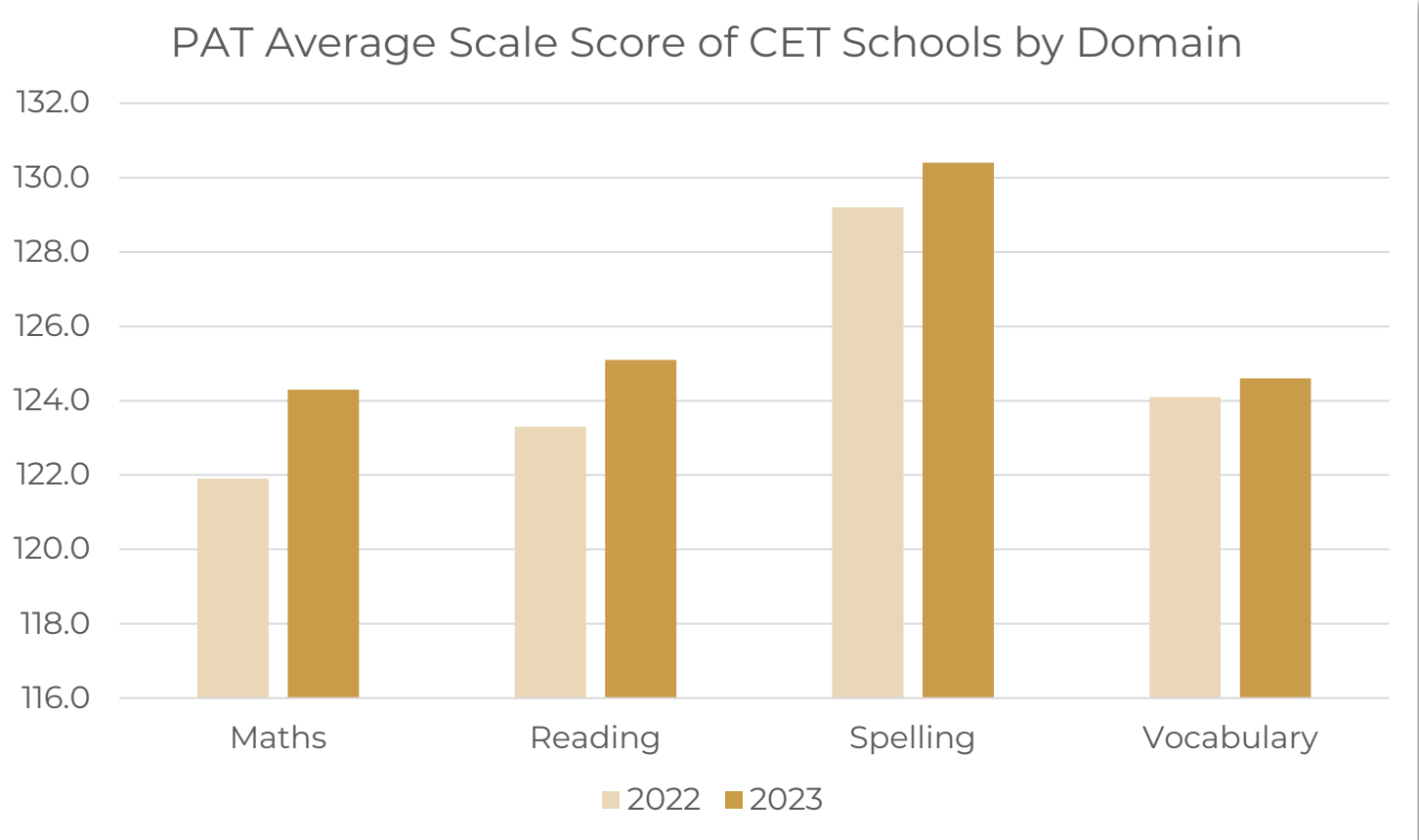
**78 Secondary ILTP Educators**

**4,033 Attendees at Professional  
Learning Days in 2023**

**1,500 Attendees at first Professional  
Learning Day for 2024**

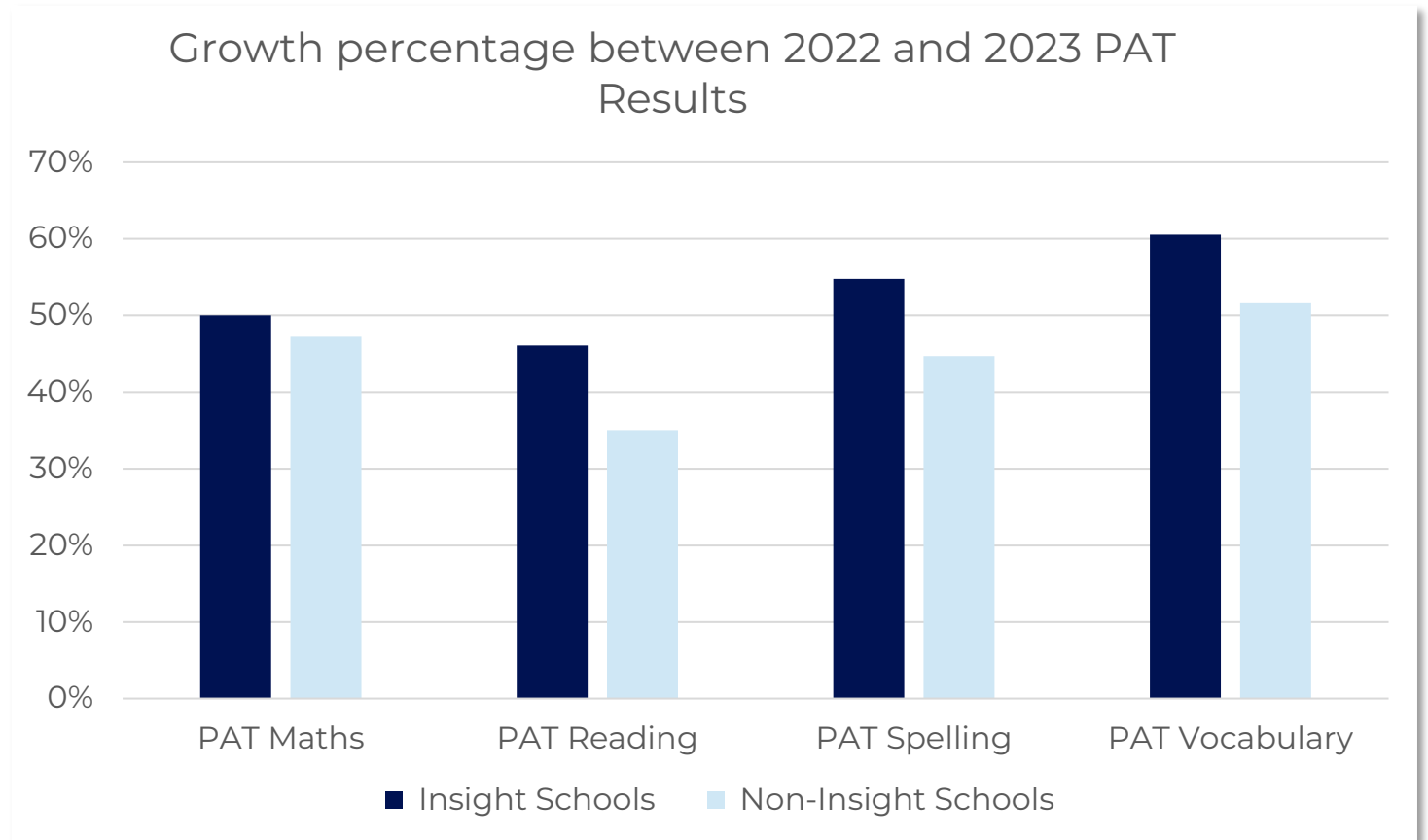


Improvement across all domains due to the scaled scores from Insight schools





Insight schools  
have achieved  
better growth  
results across  
all domains



# FAIR DINKUM TEACHING

01



Clearing  
headspace for  
learning

02



Frequent  
checkbacks  
on learning

03



Practicing  
new stuff in  
new ways

04



Turning new  
stuff into  
memories



# The journey to continued success

**0.4 FTE Literacy Practice Leader in every CET school (Primary and Secondary)**

**90% attendance at all Professional Development All System days**

**Deliver best practice coaching to 72 Primary and 106 Secondary ILTP Educators**

**English, Mathematics and Humanities and Social Science (HaSS) curriculum resource creation**

# TEACHING MATTERS

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# Thankyou

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