



# The Impact of Digital Technologies on Teacher's Work

Andrew Smith

Australian Curriculum Studies Association Conference

24 June 2023

© Education Services Australia Limited | ABN 18 007 342 421  
Level 22 180 Lonsdale Street Melbourne Victoria 3000 | PO Box 177 Carlton South Victoria 3053  
T +61 3 9207 9600 | E [enquiries@esa.edu.au](mailto:enquiries@esa.edu.au) | [www.esa.edu.au](http://www.esa.edu.au)



# Education Services Australia

Australia's national education technology company: responsible for developing digital education resources, infrastructure and systems that are used by students, teachers and parents and freely available to all Australian schools.

# Australia's education architecture



Australian Children's  
Education & Care  
Quality Authority™



Education  
Services  
Australia



**Australian  
Education  
Research  
Organisation**

**acara** AUSTRALIAN CURRICULUM,  
ASSESSMENT AND  
REPORTING AUTHORITY

**aitsl** Australian Institute  
for Teaching and  
School Leadership  
Limited

## CONTENT

Question

atomi

Canopy Study

Pivot

TeachStarter

ziplet

## MANAGEMENT SYSTEMS

Classe3-5

Clipboard

coassemble

courseloop

CRIMSON

DiGii SOCIAL

EdSmart®

ei

Intellischool

kami

komodo

kuraCloud

LING-ED Hero

OCTOPUS

PEOPLEBENCH

pixevety™  
Smart Photo Management

saasguru

ZeeFi

## HARDWARE

vivi

## WORKFORCE AND SKILLS

Blockchain Collective

go1

guroo PRODUCER

HINDSITE

HowToo

intern Match

Reejig

TeX THE EXPERIENCE EXCHANGE

## STEAM

CODE AVENGERS

inquisitive

SECURE CODE WARRIOR

## ADVANCED TECHNOLOGY

organon

Jig

## INTERNATIONAL EDUCATION

Adventus.io

Enroller

## TUTORING AND TEST PREP

amy

## TESTING

cadmus

Edalex

## ONLINE LEARNING

CURIO

FOURTH REV

LEARNING VAULT

typsy

vygō

## LANGUAGE LEARNING

Language Confidence

wukong

2022 AUSTRALIA &  
NEW ZEALAND  
EDTECH

50

Holon IQ

# ESA Projects



## Scootle

Over 20,000 quality assured digital resources aligned to the Australian Curriculum in a single national repository. Freely available to all Australian teachers.



## Student Wellbeing Hub

Providing information, resources and professional development for teachers, students and parents, to assist them to create and maintain a safe and welcoming school environment for all students.

# Supporting teaching and learning



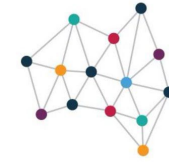
## Early Learning Languages Australia (ELLA)

Fun, digital, play-based language learning program for preschool children.



## myfuture

The national career education service, assisting young Australians with career planning, career pathways and work transitions.



## DIGITAL TECHNOLOGIES HUB

## Digital Technologies Hub

High quality, curriculum linked resources and services for teachers, students and parents to implement the Digital Technologies curriculum.

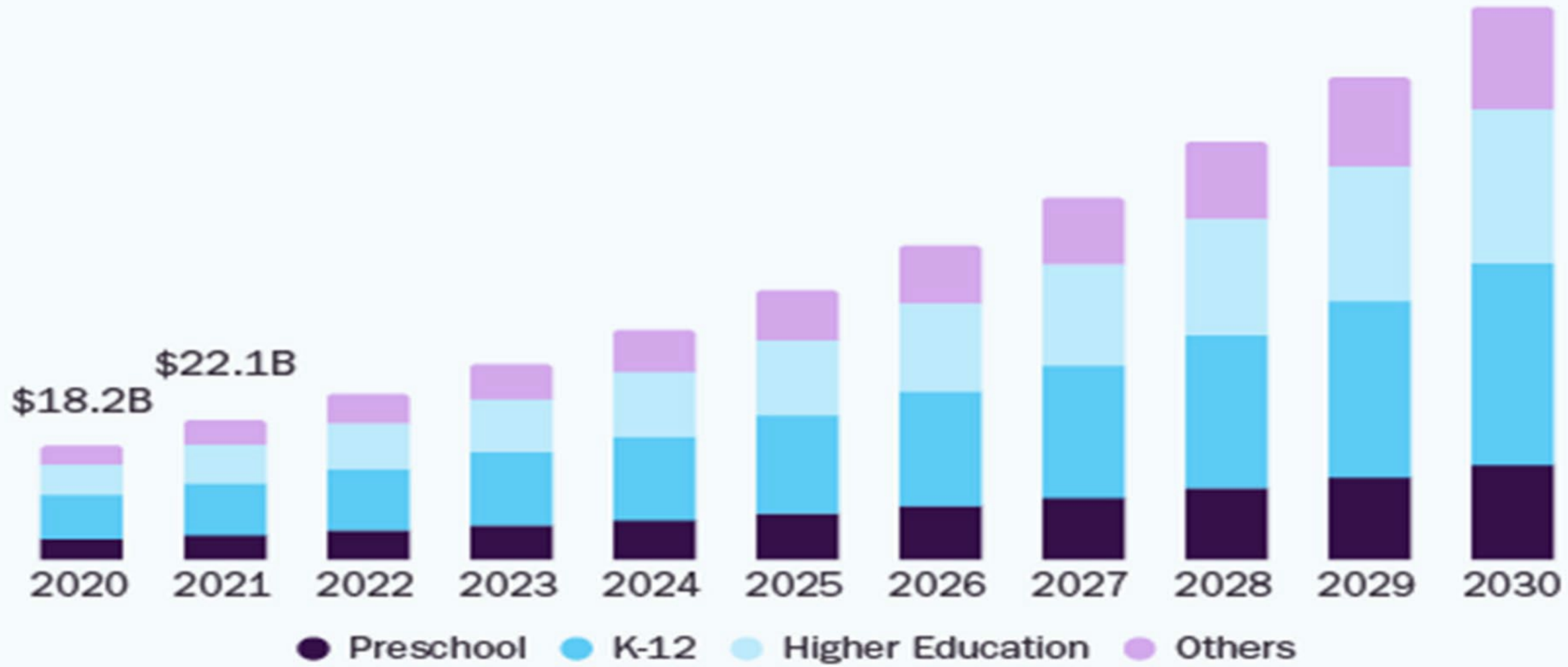
## Online National Assessment Platform

## Online National Assessment Platform

Enabling national assessment to be delivered online across all Australian schools using contemporary assessment and reporting technology.

# Asia Pacific Education Technology Market

size, by sector, 2020 - 2030 (USD Billion)



## There are risks...

- Ethics
- Privacy and security
- Equity
- Efficacy



APETITE FOR...

DESTRUCTION

But not spelling!





# Making education technology work for us

1. Ethical and secure - make it safe
2. Equity and access - make it fair
3. Impact - make it work
4. Create opportunity - make the most of it

# Equity

*“The internet rewards people who already have a wide knowledge and a big vocabulary. Google is not an equal opportunity fact finder: it rewards those already in the know...it rewards cognitive insiders.”*

E.D. Hirsch

# Realising the opportunity

## *Well designed*

- Co-design with teachers and educational experts
- Evidence-backed pedagogy and learning science
- Research and evaluation of impact and implementation
- Data privacy and protection through regulation and ethical industry behaviour

# Realising the opportunity

## *Well used*

- Integrated intentionally into school and teacher planning, programming, reflection, and learner feedback
- Backed by effective pedagogy for using technology
- Anchored by a commitment to support, not replace, teacher-led instruction
- Linked to a school or teacher's confidence
- Professional development in deploying effective digital tools

# Realising the opportunity

## *Well governed*

- Schools, teachers, and students
- Government
- Industry
- Social charities and support organisations
- Philanthropy

# Realising the opportunity

Teachers have access to a bank of quality assured formative assessment tools and suggestions that are useful for their decision-making

Quality assured teaching strategies and curriculum aligned content suggestions, that support collaboration and customisation of next steps

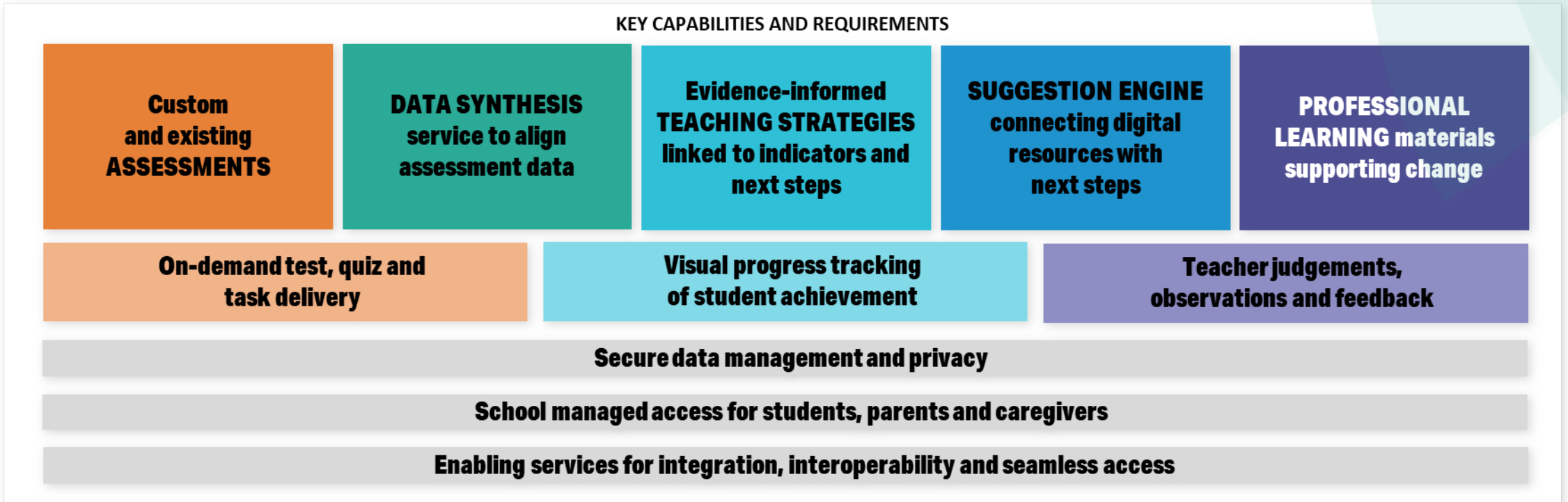


Students receive targeted and personalised feedback on their achievement, learning goals and next steps

Comprehensive dashboards and practical reports inform teacher decision-making at a student and class level

Offers an opportunity to provide equitable access to a national bank of formative assessments and other education resources, irrespective of location

# Teaching Tools Network







Education  
Services  
Australia

Andrew Smith  
CEO, Education Services Australia  
[andrew.smith@esa.edu.au](mailto:andrew.smith@esa.edu.au)

© Education Services Australia Limited  
ABN 18 007 342 421

Level 22 180 Lonsdale Street Melbourne Victoria  
PO Box 177 Carlton South Victoria 3053  
T +61 3 9207  
E [enquiries@esa.edu.au](mailto:enquiries@esa.edu.au)

[www.esa.edu.au](http://www.esa.edu.au)