

Authentic Learning & A.I. Implementation



Facilitators: Danika Cottingham & Thomas Diesch

WHO WE ARE



Thomas Diesch



Danika Cottingham

We both currently work at a brick and mortar high school in Courtenay BC, where Thomas teaches Math and Science, and Danika teaches Social Studies and History. We have organized, run, and presented at a number of conferences focused on Digital Learning; have worked to support and create opportunities for other educators in this field....and we're good buddies too!

Today's Intentions



01

GROWTH MINDSET

The power **of** and **as**
learning, and some tools
for learning

02

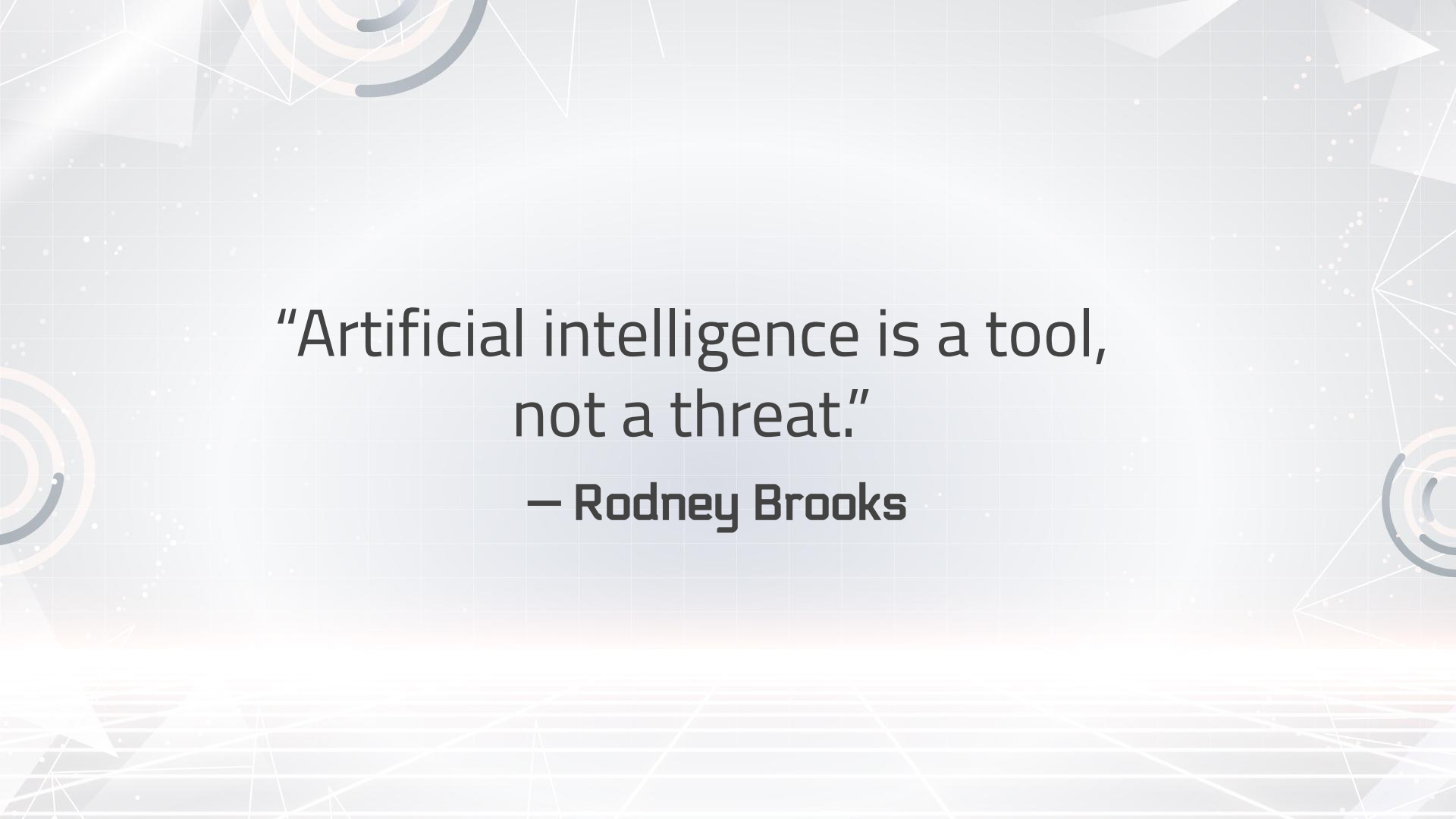
A.I. & ASSESSMENT

Authentic Learning Tasks
and some A.I. Tools

03

Curiosity Playground

Try something - ask
questions

The background features a light gray grid pattern. Overlaid on this are various geometric shapes: thin white lines forming triangles and polygons, and several concentric circles in shades of blue and orange. The overall aesthetic is clean, modern, and tech-oriented.

“Artificial intelligence is a tool,
not a threat.”
– Rodney Brooks



 OpenAI

PBD
PODCAST



Getty Image

01

GROWTH MINDSET

The most significant thing we can support our learners in understanding is that learning is a **process**.

Growth Mindset & Metacognition

Purposefully teaching learning as
a **process** rather than a
destination

(the work and time leading up to
that final test/big project)



CHARACTERISTICS OF A GROWTH MINDSET STUDENT

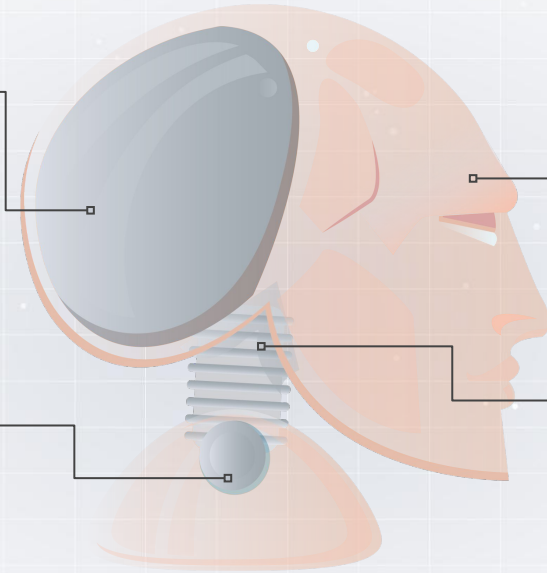


“Practice Makes Progress”

Only through attempts and iterations do my skills grow.

“Effort is required”

Truly consider the questions: “is this my best work?” and “did I try my best?”



“Challenges help me grow”

Understanding Vygotsky’s Zone of Proximal Development

“Feedback helps me improve”

Criticism is not negative; it is a chance to improve and progress.

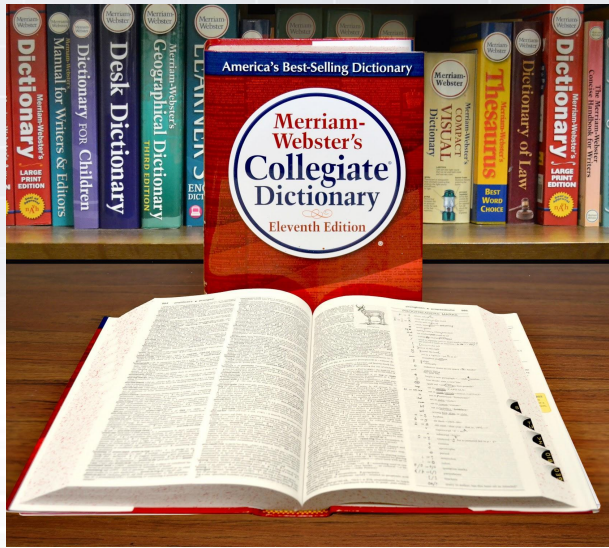
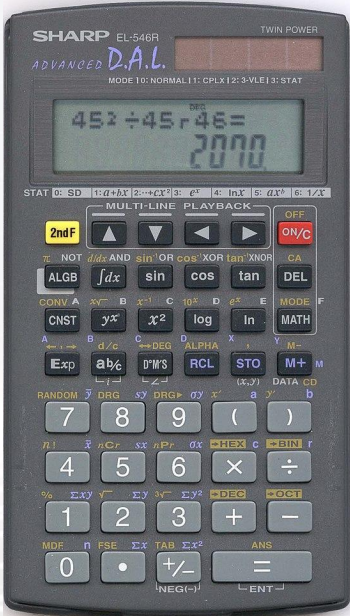
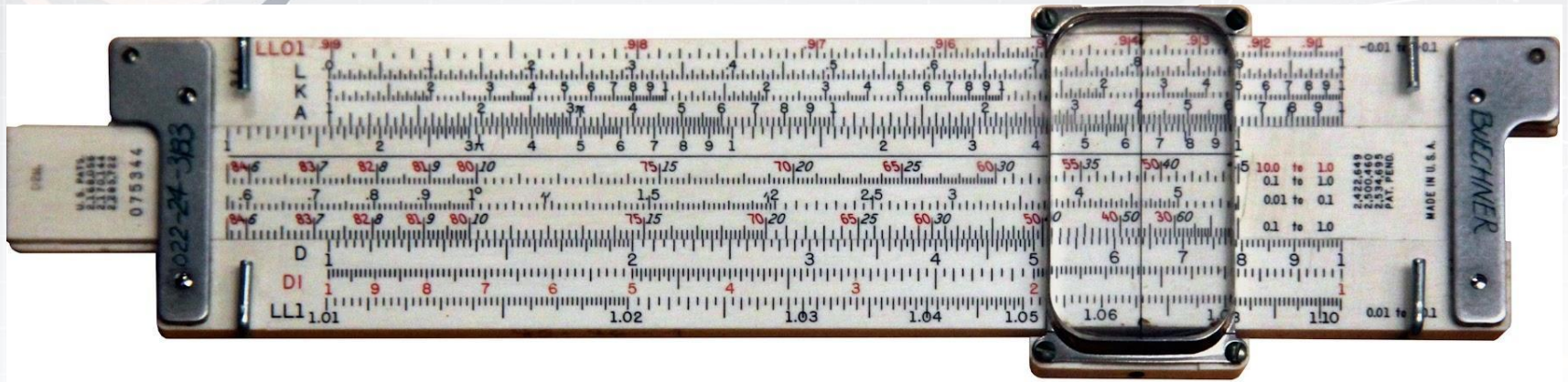


02 A.I. & ASSESSMENT

"I see AI as an additional tool, but a very powerful one."

- Sal Khan





End in mind...

Learning is an iterative process...

...what role can A.I. play in that?

It's a tool...

...let's teach how to use it!



How can I help?

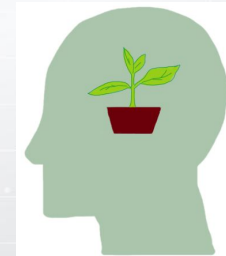


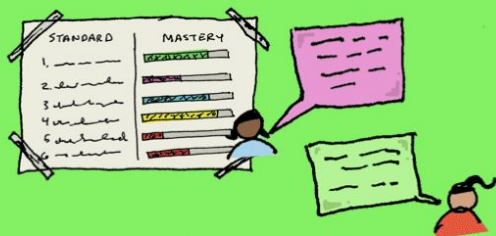
AI supports a growth mindset...

...helps students stay curious and asking questions.

AI is a great coach...

...learn to use it formatively.

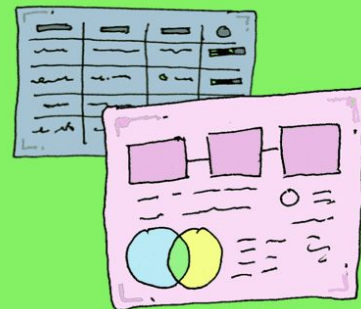




**LESS GRADING.
MORE ASSESSMENT.**



FASTER FEEDBACK.



**INCREASED
DIFFERENTIATION
IN ASSESSMENTS**



**EMPOWERING
STUDENTS TO OWN
THE ASSESSMENT
PROCESS**

HOW MIGHT AI CHANGE ASSESSMENT PRACTICES?



JOHN SPENCER



**PREDICTIVE
ANALYTICS**

What IS assessment?

Always connect to the reasons for providing learning opportunities and feedback: assessment is FOR, OF, and AS learning.

ASSESSMENT AS LEARNING is self-examination by the learner.

Used this way, **assessment supports the development of metacognition**, the understanding of how learners learn and who the learners know themselves to be. This use of assessment provides the kind of self-awareness needed to become a better learner and to

ASSESSMENT FOR LEARNING is formative, real-time, and diagnostic.

Used this way, **assessment provides immediate feedback** both to the learner and to adults on developing knowledge, skills, and dispositions while learning is actually happening.

ASSESSMENT OF LEARNING is summative and performance-based.

Used this way, **assessment judges results** against established standards and benchmarks. This most traditional use of assessment can reveal how the learner and the system are performing over time.

Assessment AS Learning

- ❖ Should be the majority of our time in a course.
- ❖ Student driven applications of A.I.



bit.ly/ABESidekick





Assessment FOR Learning

- ❖ Diagnostics and informative for areas of growth
- ❖ Snapshot of where learners are and
- ❖ Connected to 'AS learning' tasks



Assessment OF Learning

- ❖ Includes summative and formative
- ❖ Summative learning is different in the 21st century...



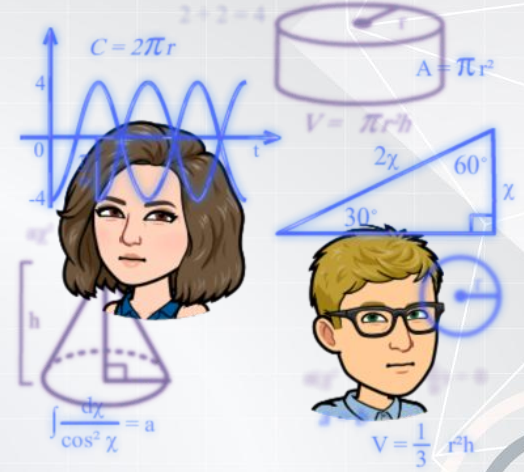
LATE
SHOW

NEIL DEGRASSE TYSON

03

Curiosity Playground

Time to try something and ask questions!



Let's talk tools...

- A.I. is constantly and significantly changing, so the types of tools we - and our students - can access is, and should be, evolving just as quickly!
- Dependant on your requirements
 - ◆ For students, educators, or for both?

<https://shakeuplearning.com/>



30 AI tools to use in the classroom



DITCH THAT
TEXTBOOK



Adobe
Firefly



Bing Image
Creator



Curipod



Bing
Chat



QuestionWell



Goblin
Tools



FigJam
Jambot



Formative
AI



KhanMigo

Diffit
For Teachers

Diffit



ChatGPT



Google
Bard



Pictory



Magic
School



Education
CoPilot



Copy.ai



EduAide.ai



Hello
History



Grammarly



Magic
Classroom



Got
Feedback



Summarize.
Tech



Conker



Perplexity



Parlay
Genie



Nolej



Hey Pi



Quizizz
AI



Twee



ChatPDF

THANK YOU!



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