

Critical and Creative Thinking

Moving from the implicit to the explicit.

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Critical and Creative Thinking

Learning Intention:

We are learning how one might approach the explicit teaching of critical and creative thinking.

How do we define explicit teaching?

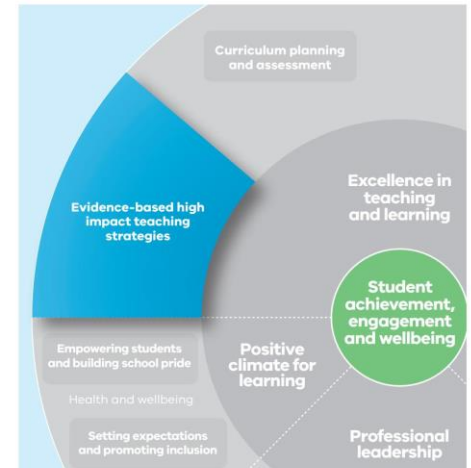
Planned,

Deliberate,

Focused,

THE
EDUCATION
STATE

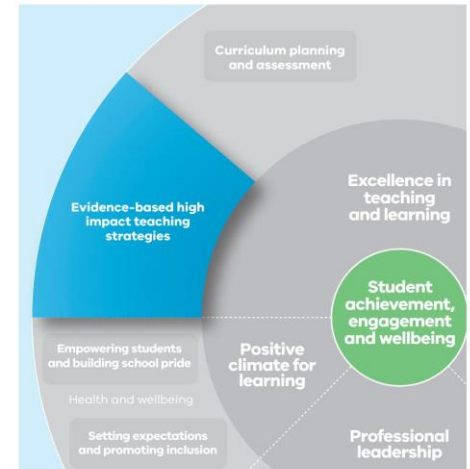
HIGH IMPACT
TEACHING STRATEGIES
Excellence in Teaching and Learning



How do we define explicit teaching?

“The teacher decides on learning intentions and success criteria, makes them transparent to students, and demonstrates them by modelling. The teacher checks for understanding, and at the end of each lesson revisits what was covered and ties it all together” (Hattie, 2009).

THE EDUCATION STATE
HIGH IMPACT TEACHING STRATEGIES
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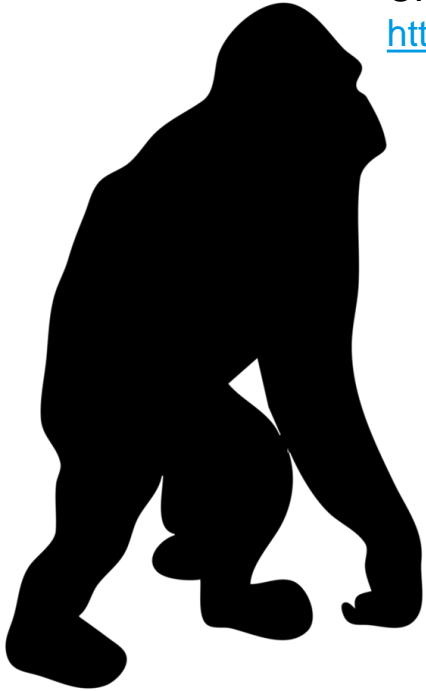


As cited in <https://www.education.vic.gov.au/documents/school/teachers/support/highimpactteachstrat.pdf> : Hattie, J. (2009). *Visible Learning: A synthesis of over 800 meta-analyses relating to achievement*. Milton Park, UK: Routledge

The Invisible Gorilla

C. Chabri and D. Simons

<http://www.theinvisiblegorilla.com/viscog.html>



**If we don't explicitly
teach Critical and
Creative Thinking, they
are bound to miss it.**

**Are they
Tuned in?**

Implicit

vs

Explicit

CAUGHT

MISCONCEPTIONS

INCONSISTENT

INCIDENTAL

outcome

understanding

language

planned

TAUGHT

CLEAR

FOCUSED

DELIBERATE

USA Trial

2 schools, 1205 students, ~ 1 task each

Non-Explicit
it
CCT in Aus

VIC Year	Mean Ability	N
1	-1.06	134
2	-0.90	283
3	-0.76	419
4	-0.43	225
5	-0.02	417
6	0.38	386
7	0.31	851
8	0.62	864
9	1.26	392
10	0.95	440

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s

School	Year	Mean Ability	N
Rockport Massachusetts	1_2	0.06	118
	3	0.08	66
	4_5	0.97	75
	5_6_7	0.86	63
	7_8	1.04	73
Wareham Massachusetts	8_9	1.52	72
	9	1.60	74
	9_10	1.09	55
	5_6_7	0.44	219
Wareham Massachusetts	7_8	0.80	307
	8_9	0.60	83

Explicit
it
CCT in usa

Our assessments used in the USA, where CCT has been taught explicitly.

**How might we plan for
effective explicit teaching of
CCT?**

CAPABILITIES	Explicitly Taught	Practised	Demonstrated	Deployed
English				
Maths				
The Arts				
History				
Geography				
Civics and Citizenship				
Languages				
Economics and Business				
Health and Physical Education				
Science				
Digital Technologies				
Design and Technologies				

How would you map the CCT curriculum?

Where is the natural/best fit?

Explicitly Taught

Introduce the critical and creative capability explicitly and with purpose.

Practised

Like any new skill, it needs to be practised with purpose. Practice involves feedback.

Demonstrated

After sufficient practise, students can demonstrate their learning in formal or informal assessment tasks

Deployed

Once the skill is known, it can be transferred into a range of different subjects and situations, a tool they can draw on when they are required to think in a certain way.

SPLIT SCREEN

Knowledge

Capability

LENS

Ethical

CCT

Context
*Learning area
or concept*



Recommended Actions

For further exploration of why CCT is important we recommend viewing:

- The Awareness test - How many passes do the team in white make?
- Watch the Video modules for Split Screen Teaching and the Lens Approach to see which best suits your planning.