

Cultivating a Growth Mindset

October 31st 2022 Catarina Batista & Romain Muller



It's time to reconfigure your environment

Getting Hammered!

Functional Fixedness

- Tendency to see the functions of different objects in the way you usually use them.
- Blocks our ability to see its utility for other purposes.
- Many problems might require the problemsolver to use an object in the solution in an unusual way.



SYSTEM 1

Intuition & instinct

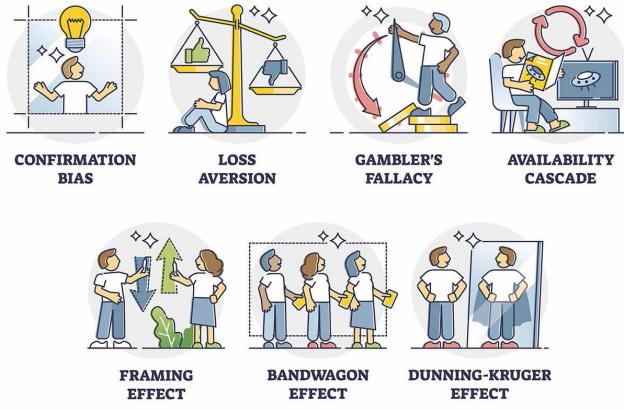
SYSTEM 2 Rational thinking



Source: Daniel Kahneman

https://www.rogerleishman.com/2017/12/thing1.html

COGNITIVE BIASES



Graphic from: https://www.simplypsychology.org/cognitive-bias.html





Bounded rationality

- We are constantly making decisions with insuffiencient data, information, abilities and memory.
- We need to **select** which information we should collect and **prioritize it**.
- Our decision process *is bounded by practical, often cognitive, factors* (Simon,1957).





How can we get better at solving problems and driving disruptive solutions?

Not doing "business as usual" requires more than conventional thinking...

Photo by Adam Nieścioruk on Unsplash



How can we get better at solving problems and driving disruptive solutions?

- Engaging in practices that kick up our System 2 and make us look at problems in a different light.
- Taking a step back to look at the bigger picture.
- Cultivating a growth mindset.

Photo by Adam Nieścioruk on Unsplash



Pentabilities as a platform to foster a Growth Mindset

What?

 System designed to develop the five major social and emotional skills -"pentabilities": Responsibility, Cooperation, Autonomy and initiative, Emotional management and Thinking abilities.

Why?

- Good social and interpersonal skills help improve our wellbeing
- Foster academic success and adaptation to the labour market.



- A grading tool the behaviours you demonstrate or observe in your peers will have no impact whatsoever in your grading.
- A way to check what you're good or bad at.
- A tool for your teachers to judge you.



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What it is...



- Platform to capture and measure a designated set of behaviours throughout the program.
- A way to guide the student on how to **improve during their learning process** and teachers on how to **advance in their teaching**.
- A way to inform teachers if their strategies work.
- Provide evidence-based grounds for formative feedback.
- A set of tools to learn better together!

Support each other's growth journeys

Growth mindset

What does growth mindset mean and why is it important?

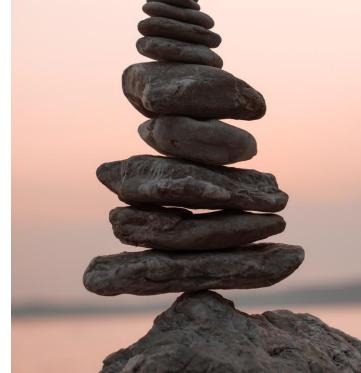
"Mindset change is not about picking up a few pointers here and there. It's about seeing things in a new way."

Dr. Carol Dweck, Mindset: The New Psychology of Success

What does "mindset" mean?

"...a mindset is a set of assumptions, methods, or notions held by one or more people or groups of people. " (Cambridge English Dictionary)

"in cognitive psychology, a mindset represents the cognitive processes activated in response to a given task" (French, 2016)

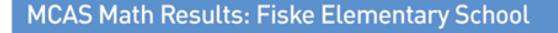


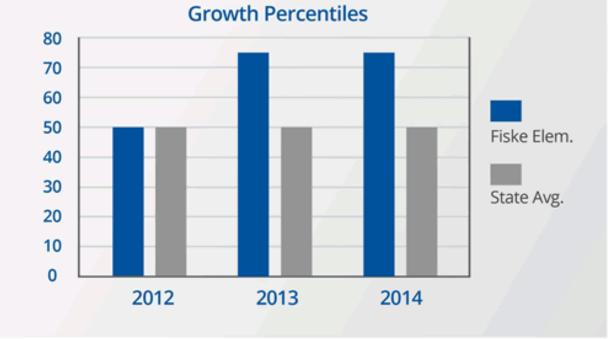
Growth Mindset

"Why waste time proving over and over how great you are, when you could be getting better?"



Case Study: Fiske Elementary School



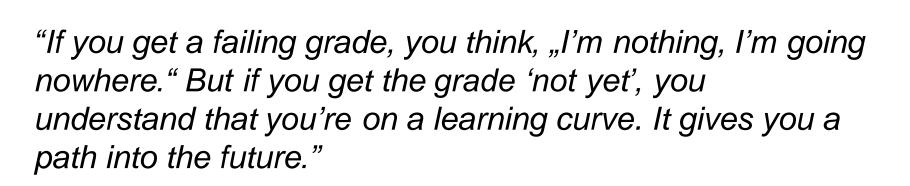


https://www.mindsetworks.com/science/Case-Studies

Case Study: Chicago High School



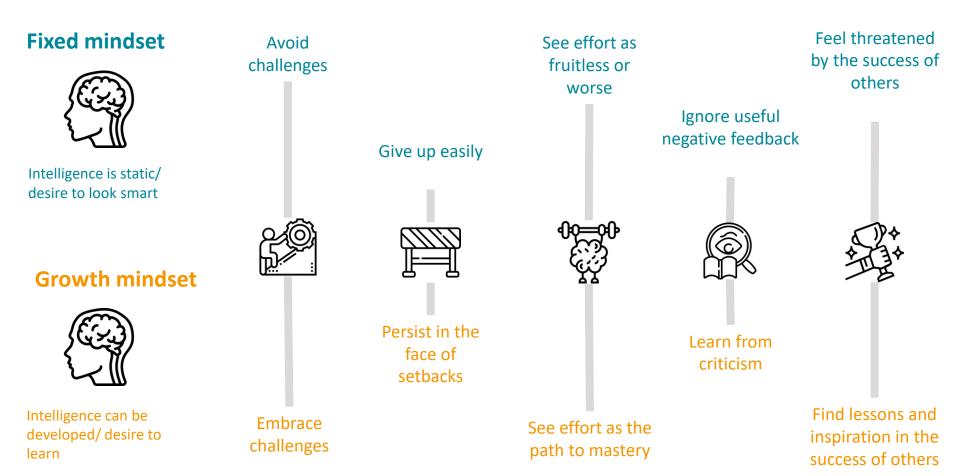
The power of "not yet"



Dweck, 2014

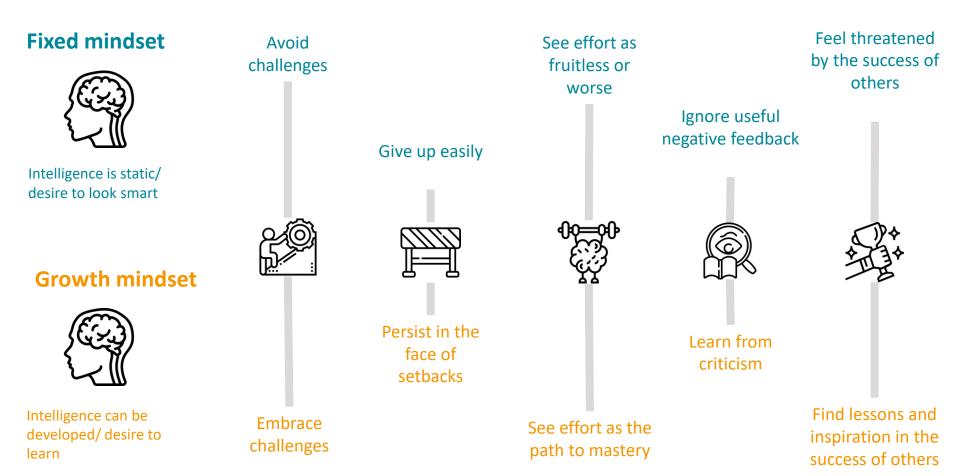
2 truths and 1 "not yet"

Fixed mindset Avoid challenges See effort as fruitless or worse Feel threatened by the success of others Intelligence is static/ desire to look smart Intelligence is static/ Give up easily Intelligence is static/ Intelligence is static/









Growing into the unknown

Sources



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- Stanford University's Carol Dweck on the Growth Mindset and Education". OneDublin.org. 2012-06-19.

