

# Cultivating a Growth Mindset

October 31<sup>st</sup> 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

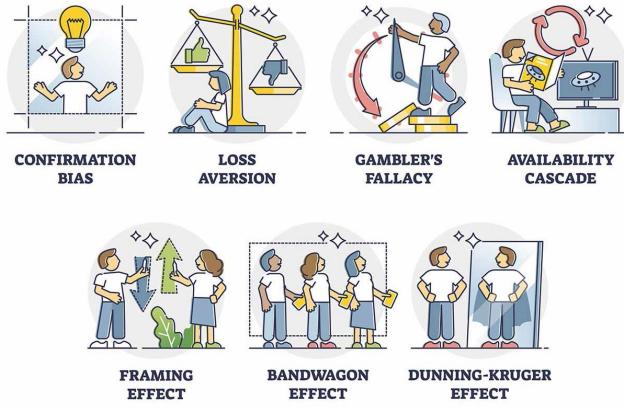
## **SYSTEM 2** Rational thinking



#### 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?

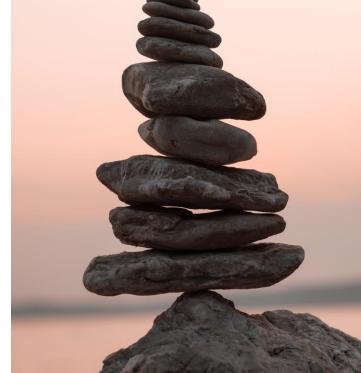
"Mindset change is not about picking up a few pointers here and there. It's about seeing things in a new way."

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)



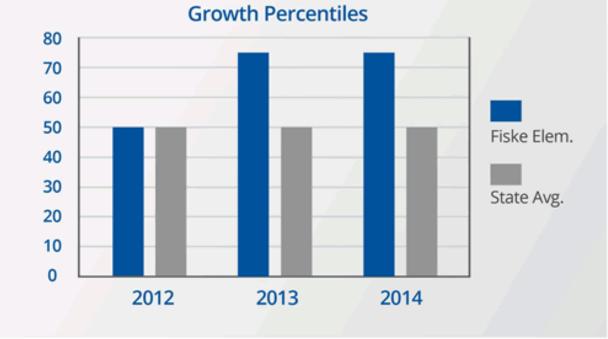
#### **Growth Mindset**

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



Case Study: Fiske Elementary School



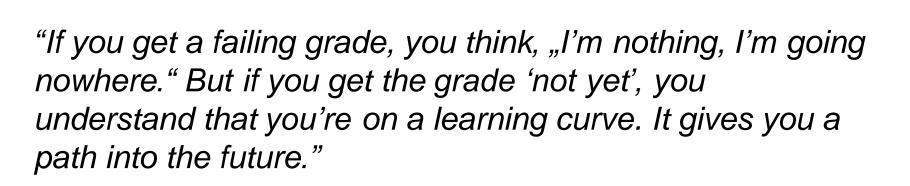


https://www.mindsetworks.com/science/Case-Studies

#### Case Study: Chicago High School



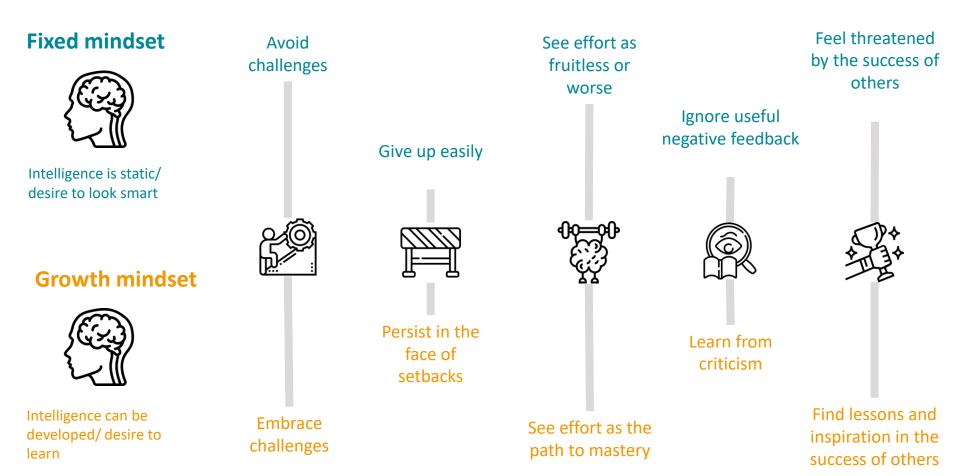
#### The power of "not yet"



Dweck, 2014

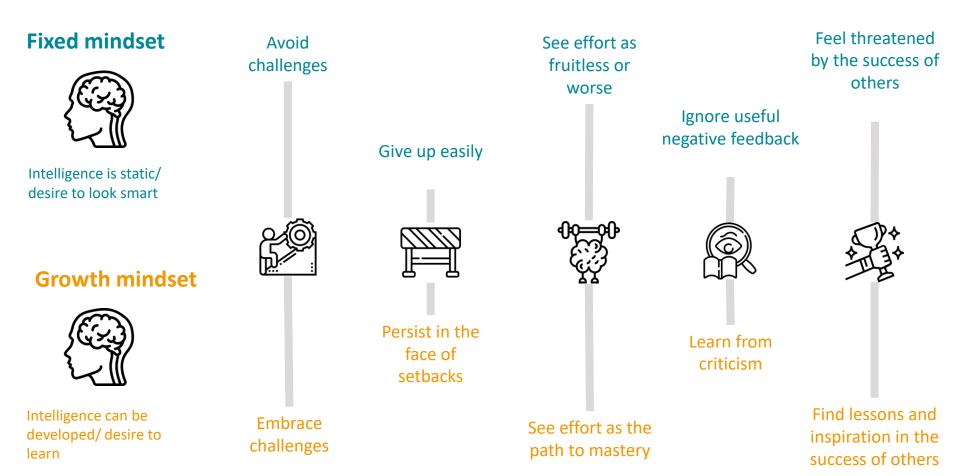
2 truths and 1 "not yet"

# 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.

