

# 1A.1 MIND Strengths Review



Name: \_\_\_\_\_

Date: \_\_\_\_\_

Many people with dyslexia share a common set of strengths. You can remember these strengths by using the **MIND** acronym: **M**aterial Reasoning, **I**nterconnected Reasoning, **N**arrative Reasoning, and **D**ynamic Reasoning.

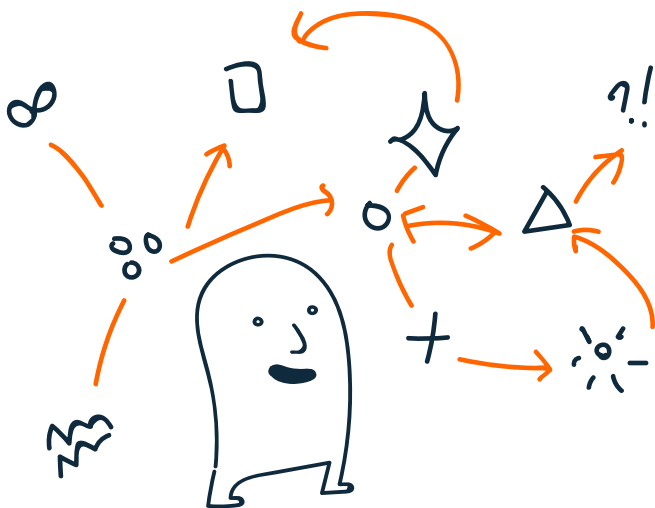


## Material reasoning

The ability to understand the position, form, and movement of objects.

### Example

While looking at only the blueprint of a house, you are able to walk through the fully built house in your mind.



## Interconnected reasoning

The ability think about separate problems, ideas, and/or products, and recognize the potential in connecting and combining them.

### Example

You notice people who are unemployed but own a car, and other people who need a ride and have cell phones. You connect these two ideas to create a business where people use their cellphones to request rides from others.



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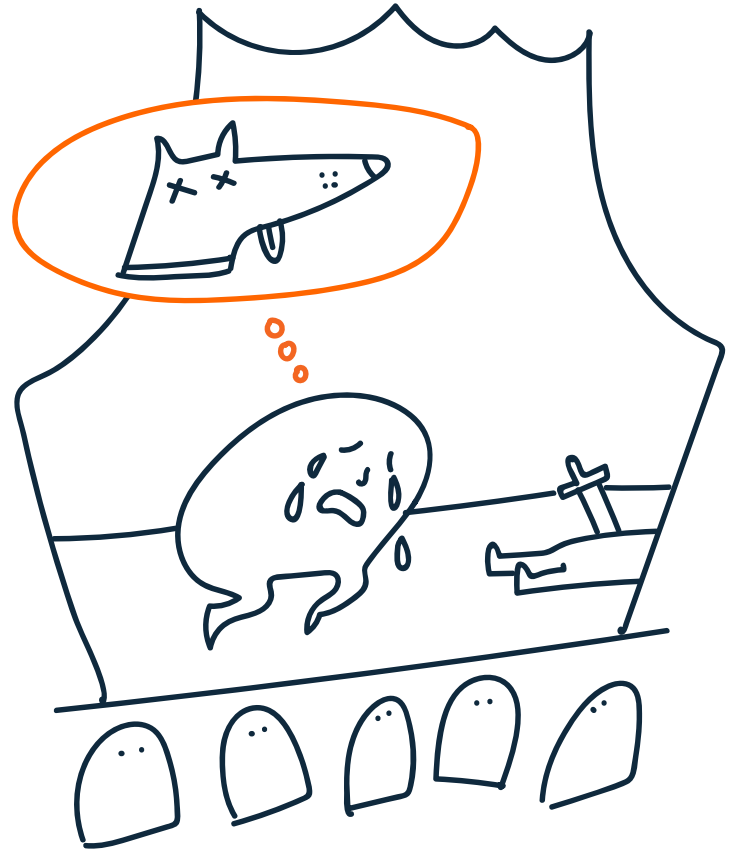


# Narrative reasoning

The ability to reason by using pieces of memory formed from past personal experience.

## Example

You are assigned the role in a school play of a character who experiences a loss. You then remember a time earlier in your own life when you lost a pet. You draw on the experience of that loss to help you play your character with convincing emotion.



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# Dynamic reasoning

The ability to predict future events based on past trends and patterns.

## Example

Look up at a ravine running between two mountains and think how the ravine is a byproduct of erosion from centuries of streaming water. Next, predict what will happen to the ravine over the next millennium. Will it deepen? Will its structure crumble? You can guess the future based on the past.



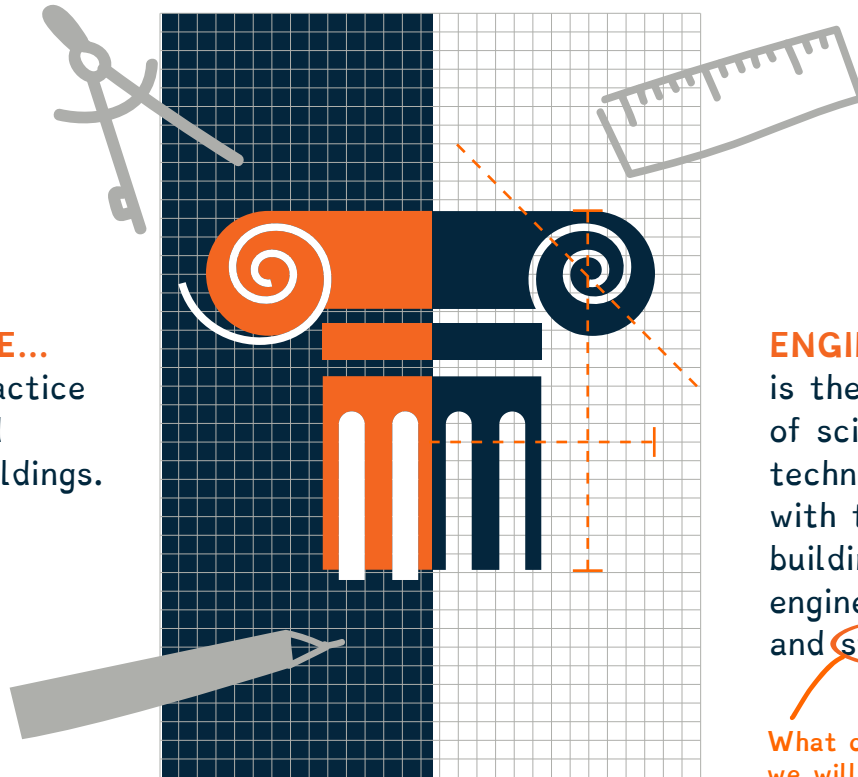
# 1A.2

# Engineering and Architecture & the Engineering Design Process



Name: \_\_\_\_\_

**ARCHITECTURE...**  
is the art or practice of designing and constructing buildings.



**ENGINEERING...**  
is the branch of science and technology concerned with the design, building, and use of engines, machines, and structures.

What our class we will be focusing on.

How Engineering and Architecture relate to MIND strengths?



Outside the box thinking



Problem solving



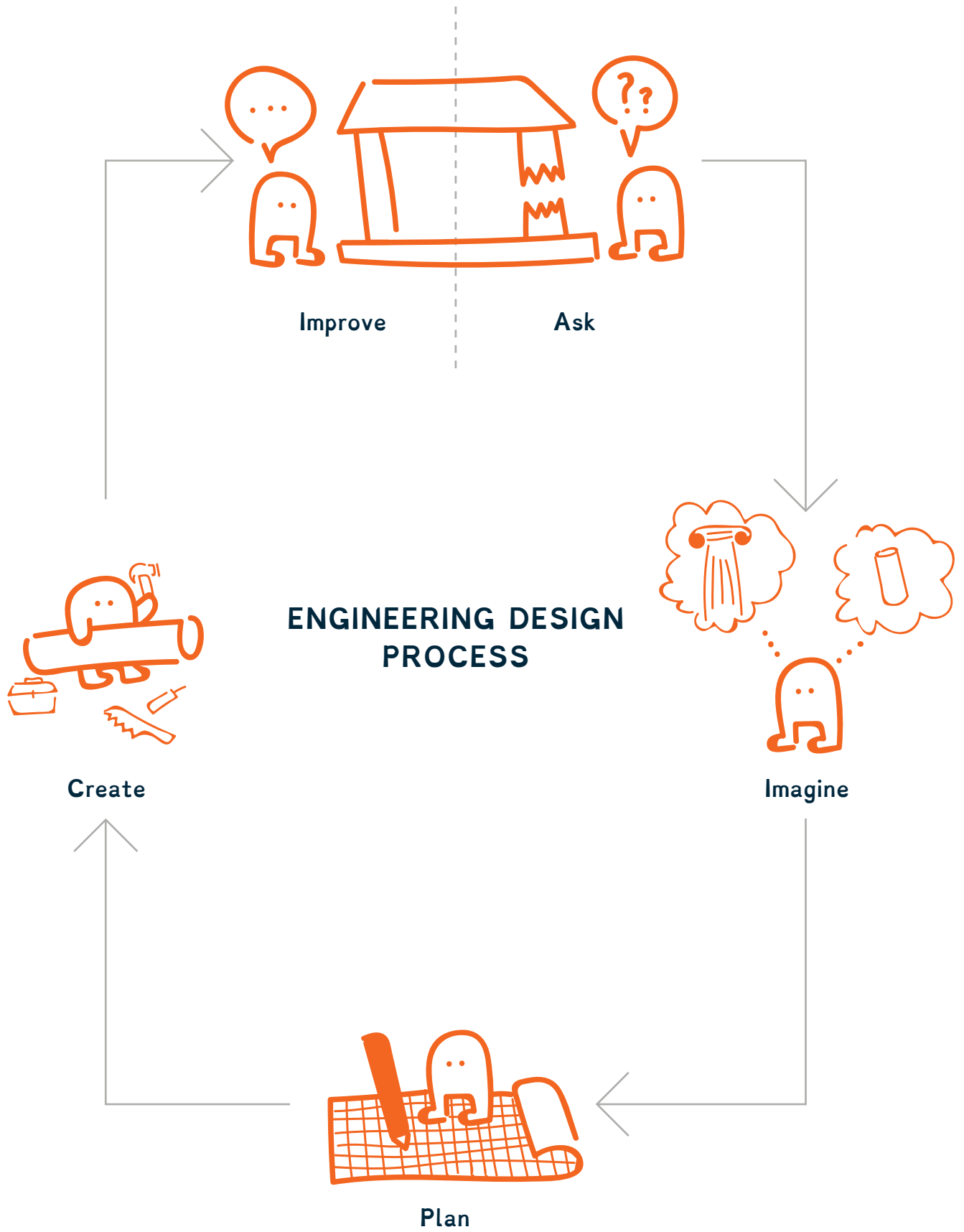
Innovation



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# 1B.2 Tinkercard Checklist



Name: \_\_\_\_\_

## 1. Sign In or Create Account


Ask Your Instructor





## 2. Start a new project by clicking

Create new design

If all members of your group are using the **SAME** log in ...









(only **ONE** member needs to click  .)

If all members of your SOUL center have **THEIR OWN** log ins ...

(**ONE** member should click  and then share it with other members of the group by clicking  in the upper right corner)

Show your instructor each completed task

## 3. Complete the following checklist items to learn Tinkercad functions.

- Name the project with your SOUL center names and then "practice"
- Place a shape on the workplane 
- Rotate a shape 
- Play with the size and scale of a shape 
- Copy and paste a shape 
- Group different shapes so that they attach together 
- Place a shape on top of another shape 
- Make a hole in an object 
- Create a unique shape of your own design using the scribble tool 



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