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Learning Solutions SM
CONFERENCE & EXPO

Session #1003
Better Instructional Design through MindMapping

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illumina
INTERACTIVE LEARNING

APPLESTAR PRODUCTIONS
STICKY LEARNING

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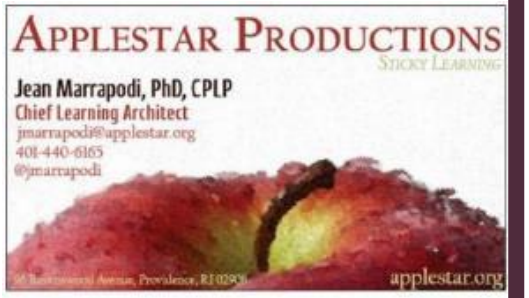


NEW ENGLAND COLLEGE of BUSINESS

by design ministries

OVERVIEW

What is a mind map?
Mind mapping for Needs Assessment
Mind mapping the Course Framework

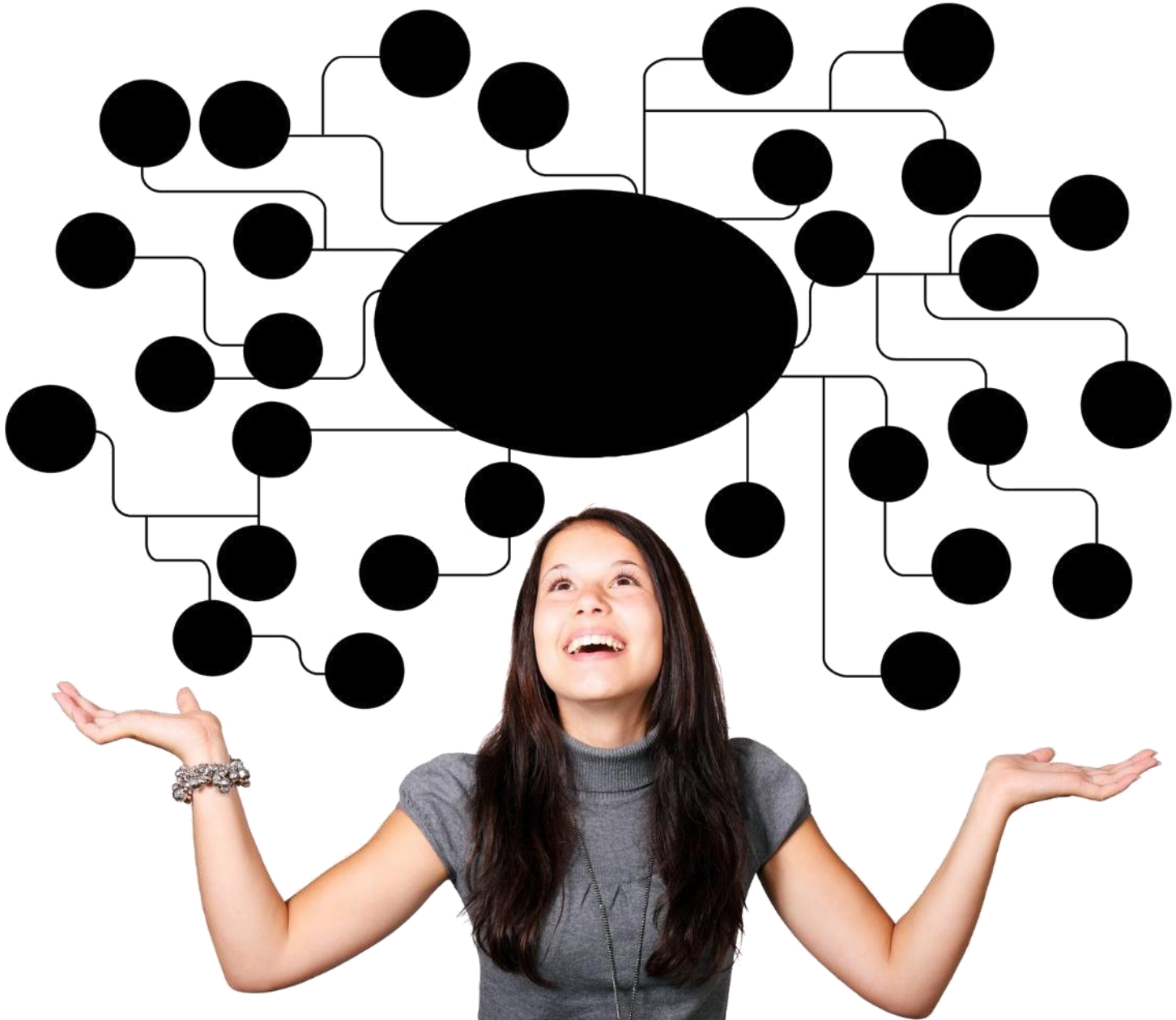
TODAY'S GOAL

By the end of this workshop you should know what a mind map is and be able to create and leverage them for conducting needs assessment and designing courses.

THIS IS YOUR BRAIN.
FULL OF CONNECTIONS.

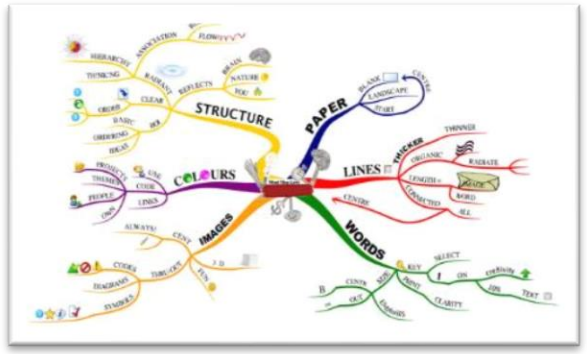
Your thoughts aren’t random or linear. Thoughts are interconnected.

Mind Maps illustrate this.

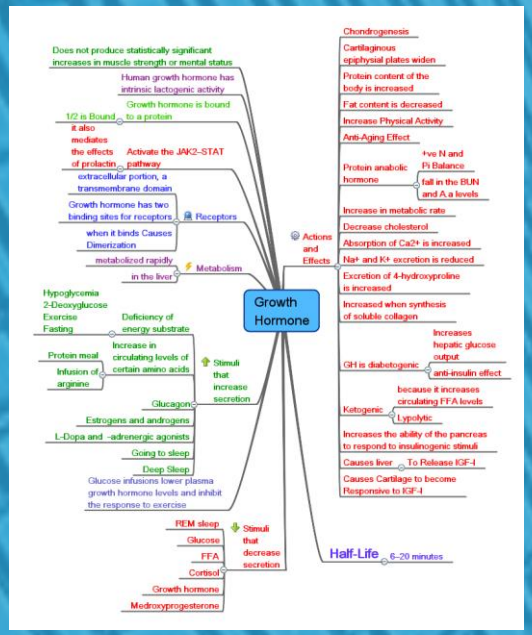


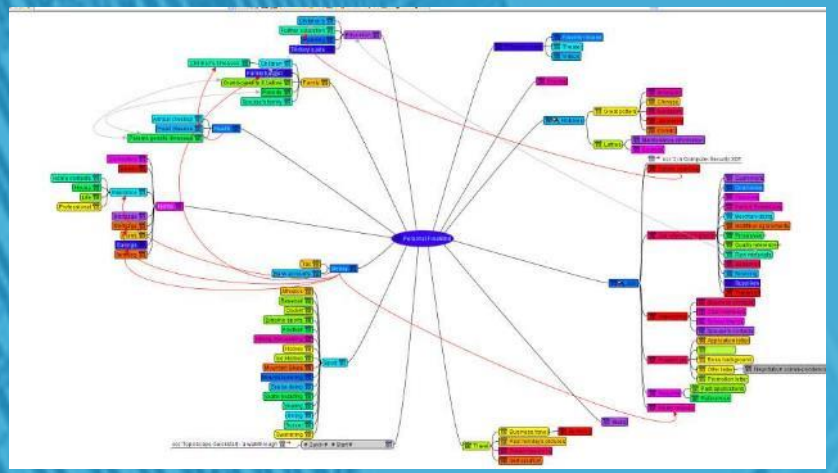
Tony Buzan, Creator of Mind Mapping

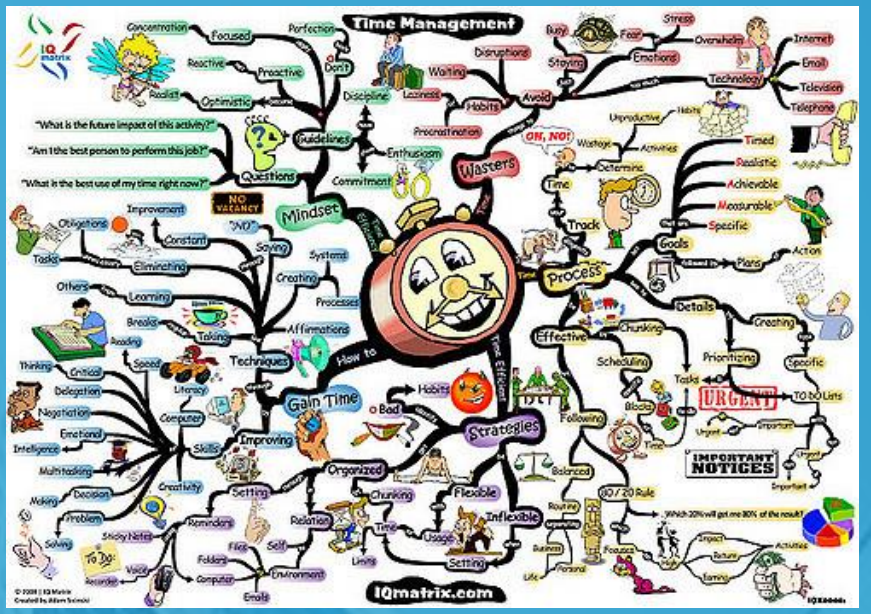
Definition

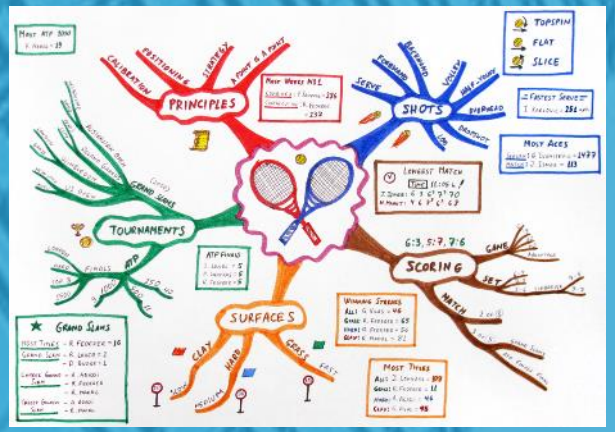


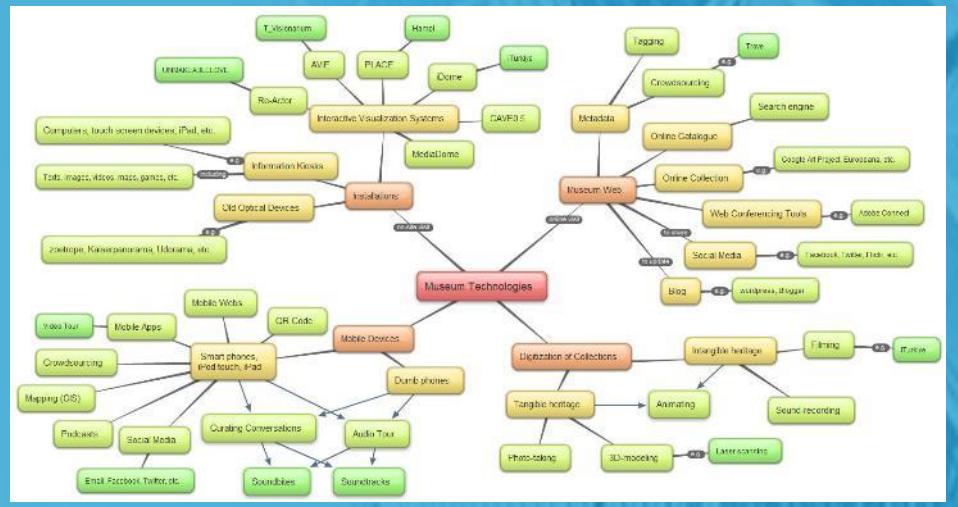
"A Mind Map is a powerful graphic technique which provides a universal key to unlock the potential of the brain. It harnesses the full range of cortical skills – word, image, number, logic, rhythm, colour and spatial awareness – in a single, uniquely powerful manner. In so doing, it gives you the freedom to roam the infinite expanses of your brain. A Mind Map can be applied to every aspect of life where improved learning and clearer thinking will enhance human performance."



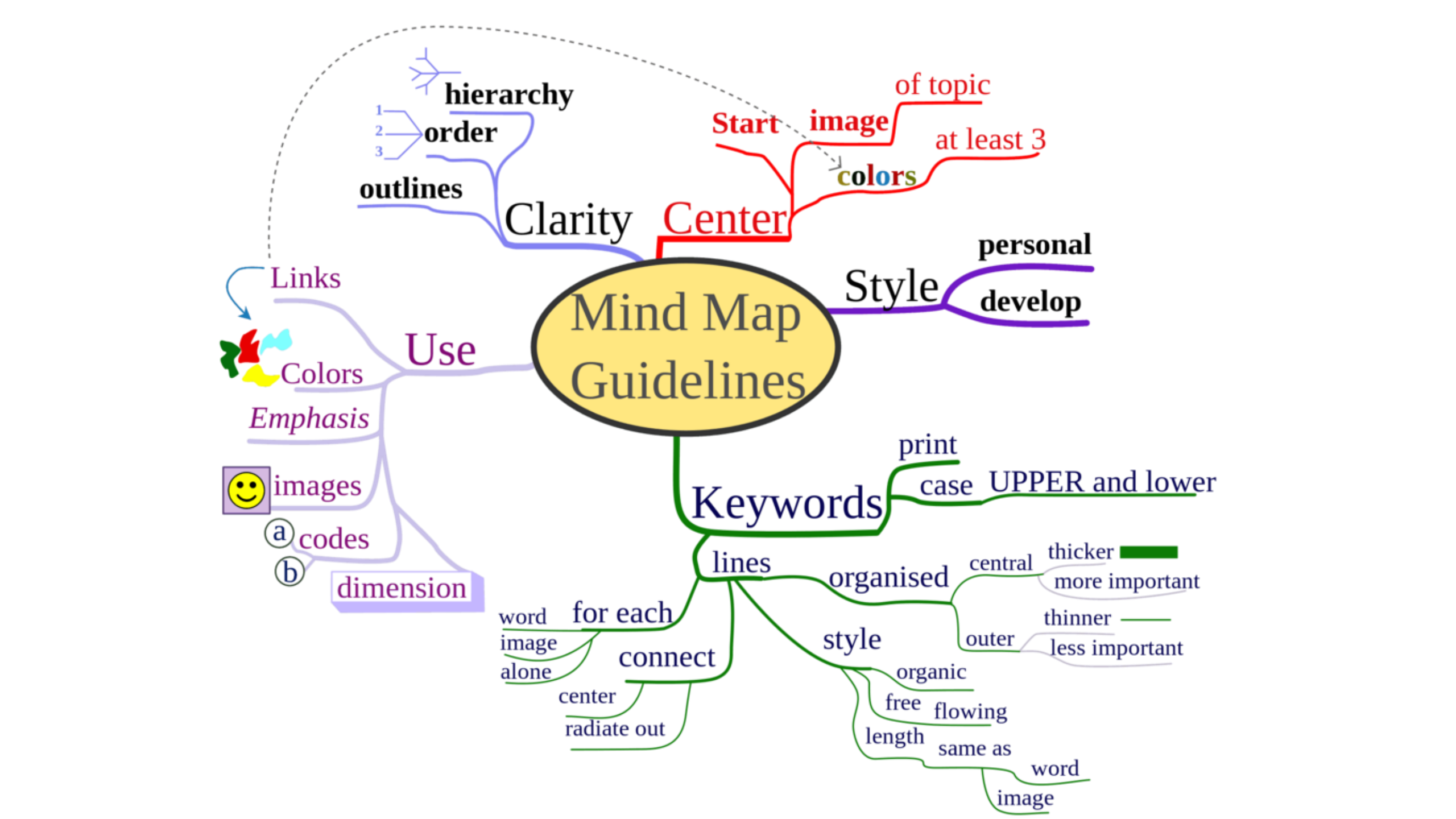


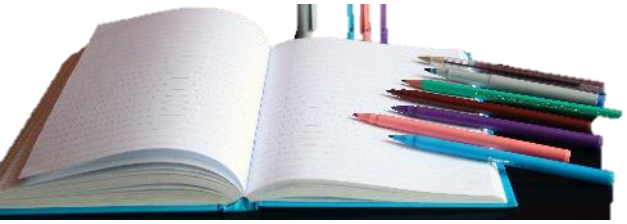






These are mind maps.


Mind Map Guidelines
Clarity
hierarchy
order
outlines
Center
Start
image
of topic
at least 3
colors
Style
personal
develop
Use
Links
Colors
Emphasis
images
codes
dimension
Keywords
print
case
UPPER and lower
lines
for each
word
image
alone
connect
center
radiate out
organised
central
thicker
more important
outer
thinner
less important
style
organic
free
flowing
length
same as
word
image



XMind
GNU Lesser ...

MindManager
Proprietary s...

FreeMind
GNU General ...

Buzan's
iMindMap

MindMeister
Proprietary s...

Mindomo

MindView

Coggle
Freeware

MindMapper

TheBrain

Visual Mind
Commercial ...

Compendium
GNU Lesser ...

3D Topicscape

SpicyNodes

WiseMapping

MindMup

ConceptDraw
MINDMAP
Proprietary s...

Lucidchart

SmartDraw
Proprietary s...

Mind42

Visual
Understandin...
Educational ...

Freeplane
GNU General ...

Considerations

- Free or Paid?
- Online or Offline?
- App?
- Export and Import?

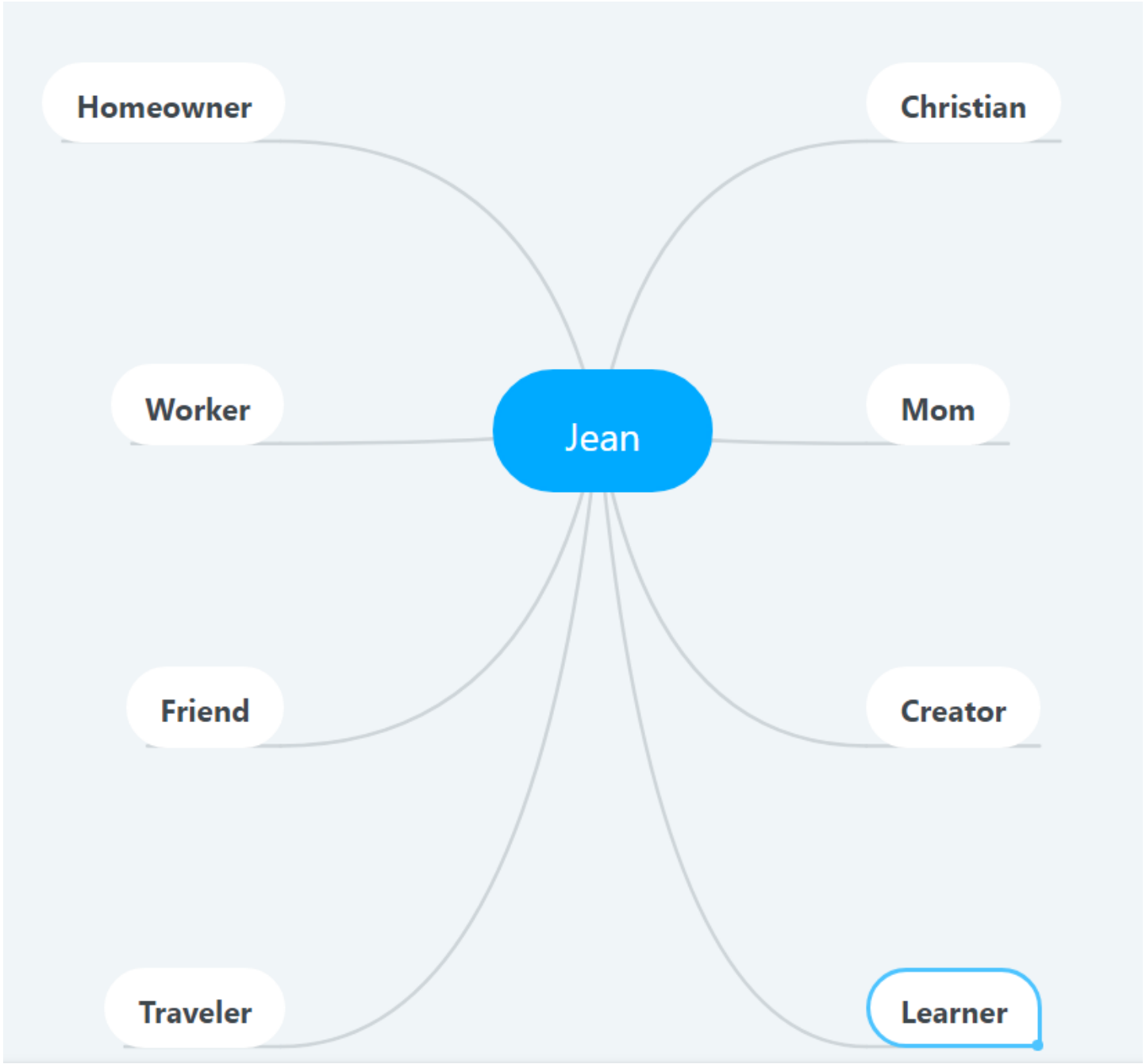
Draw or use Mind Mapping Software

LET'S CREATE ONE

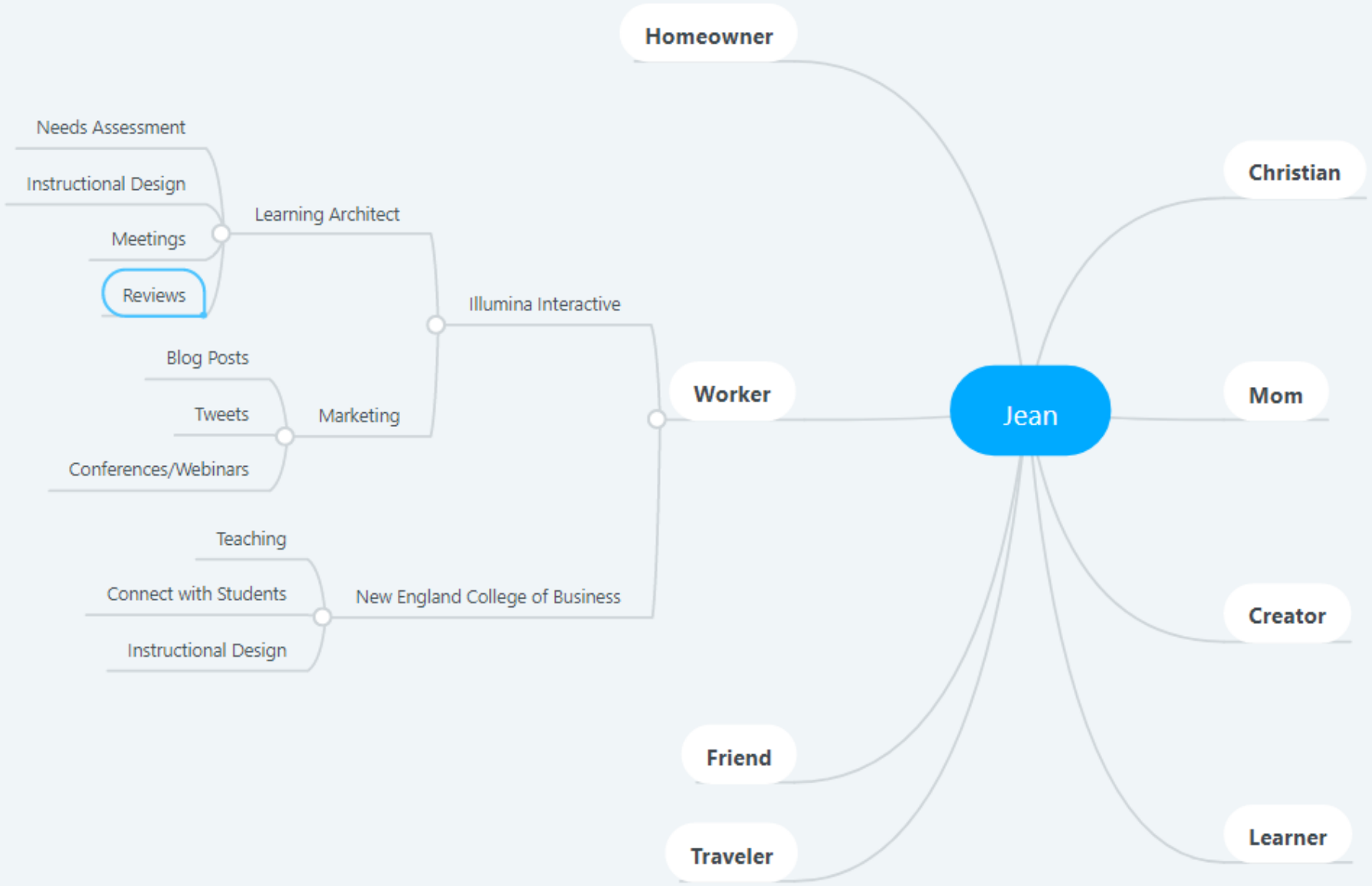
1. Draw an oval in the center of your paper
2. Write your name in the oval

Jean

Add your key roles around your name

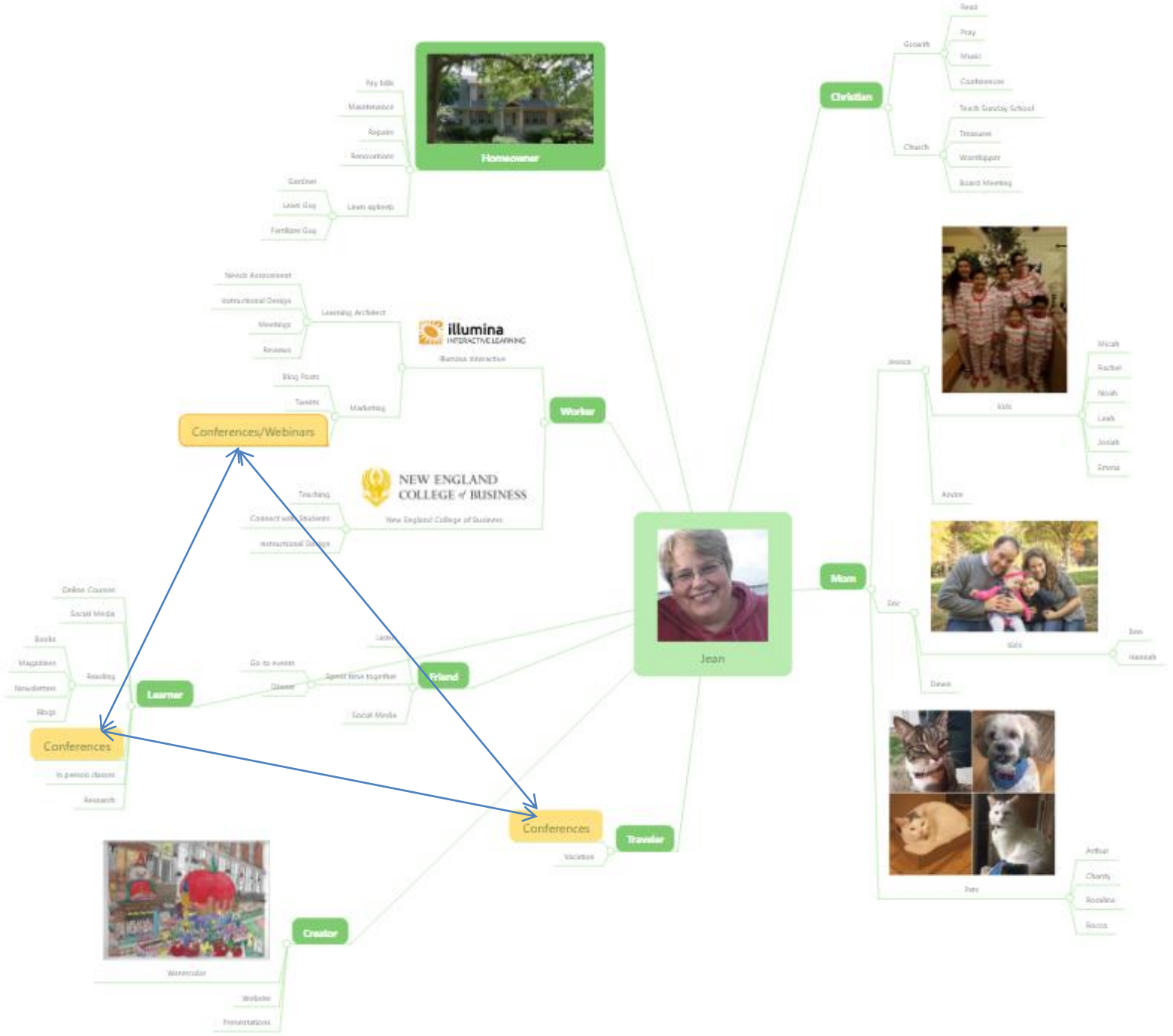


Build the branches and twigs



Expand.
Add Pictures.
Add Color.

Look for Relationships.



NEEDS ASSESSMENT

ASK THE RIGHT QUESTIONS

Questions

Who needs the training?

What do they need to know and do?

When do they need to know and do it?

Where do they need to know and do it?

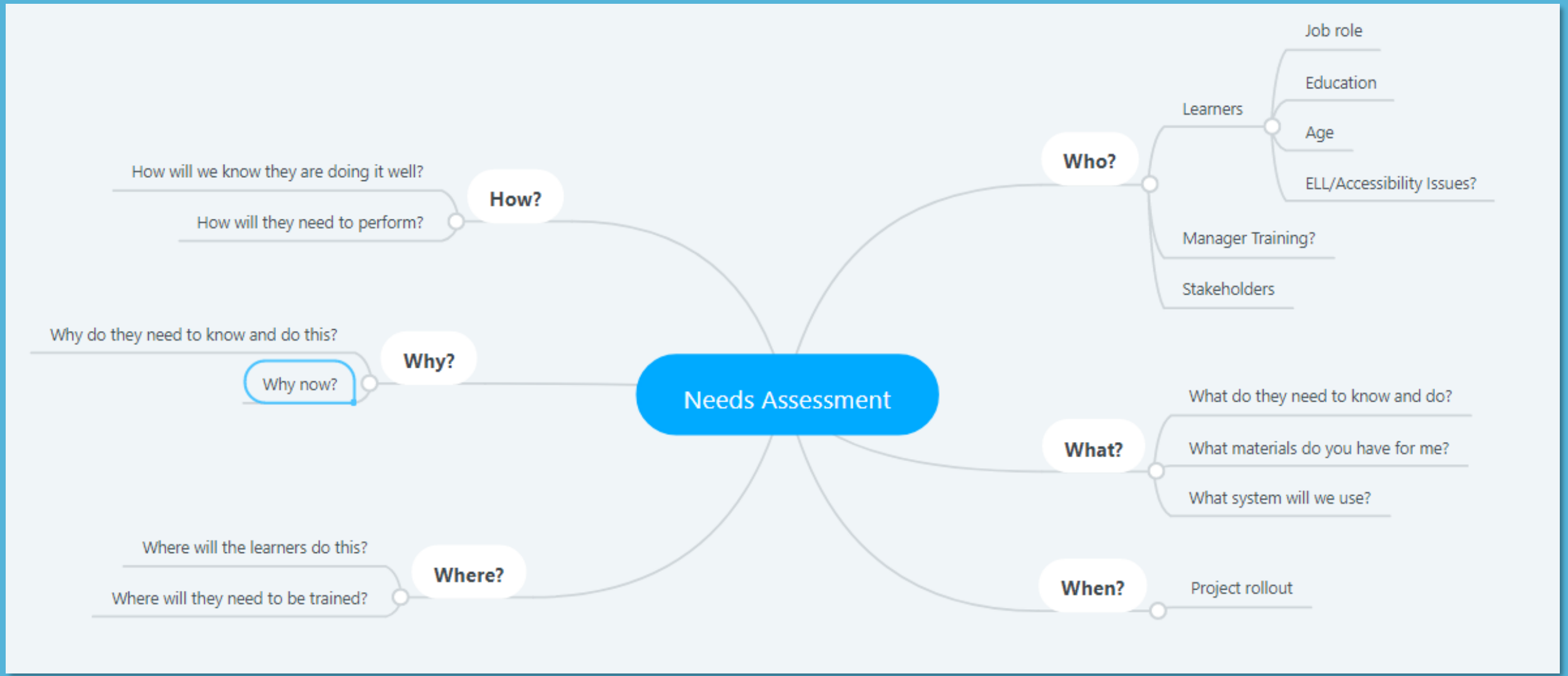
Why do they need to know and do it?

How do they need to know and do it?

ASK THE RIGHT PEOPLE

Get all the stakeholders together to brainstorm

Ask questions during the kickoff meeting



WHAT IS THE GOAL?

IN THE END, WHAT DO YOU WANT YOUR LEARNER TO KNOW AND DO?

How Proficient Must They Be?

Gloria Gery, 1991

Before you leave DOCUMENT

Business Goal

WHY you are doing this

Course Goal

What the learner should know and be able to do

INSTRUCTIONAL DESIGN 101

GOAL

In the end, the learner will KNOW _____ and be able to (DO)_____

GOAL

ESTABLISH THE GOAL

INSTRUCTIONAL DESIGN 101

ADD OUTCOMES TO THE GOAL

INSTRUCTIONAL DESIGN 101

OUTCOMES

- Focus on the learner
- End state results
- WIIFM

At the end of this lesson, you should be able to use the style features of Word to create professional looking documents.

Focus on **DOING**
Practical application

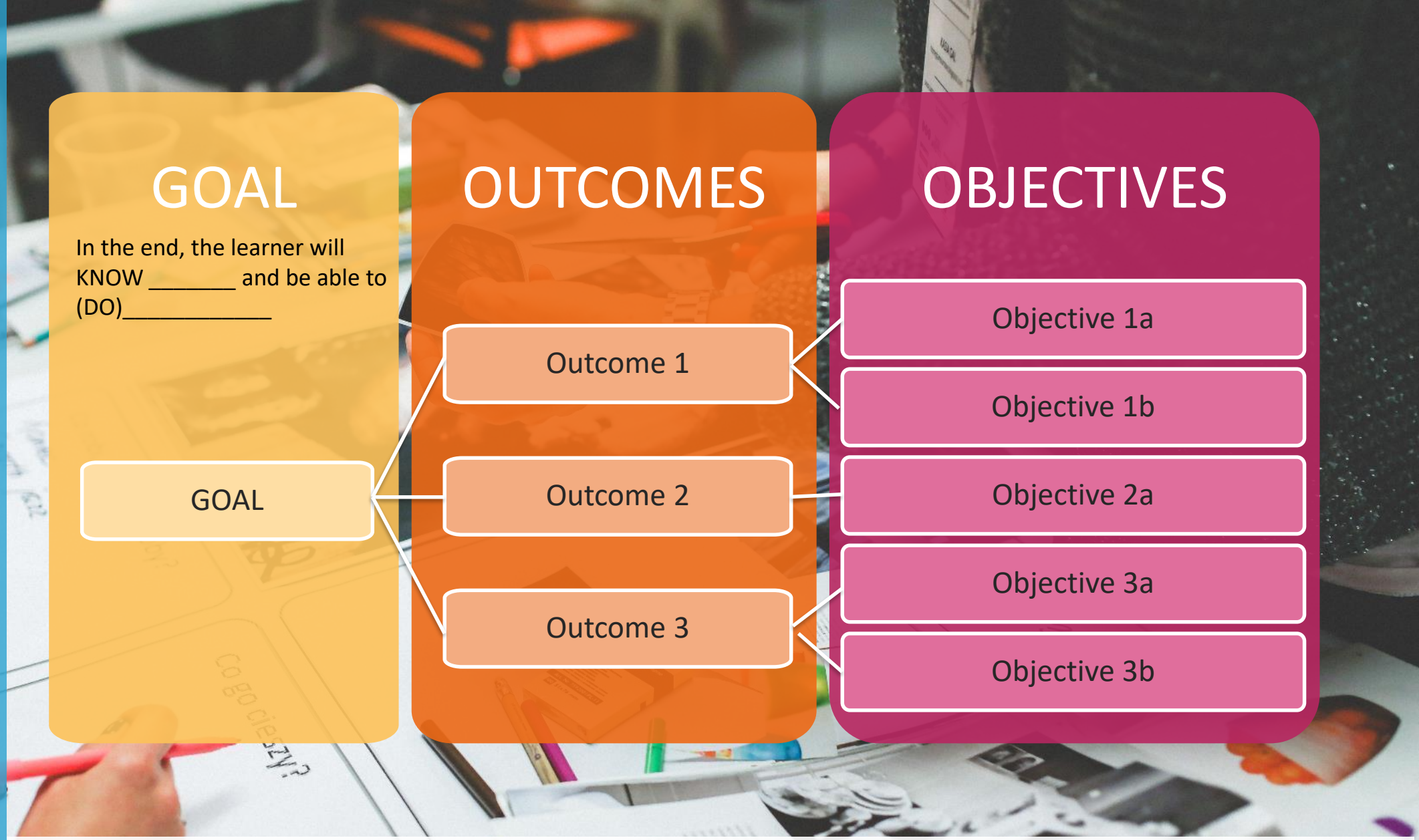
OBJECTIVES

- Focus on the teacher/designer
- Lesson plans
- How we get there

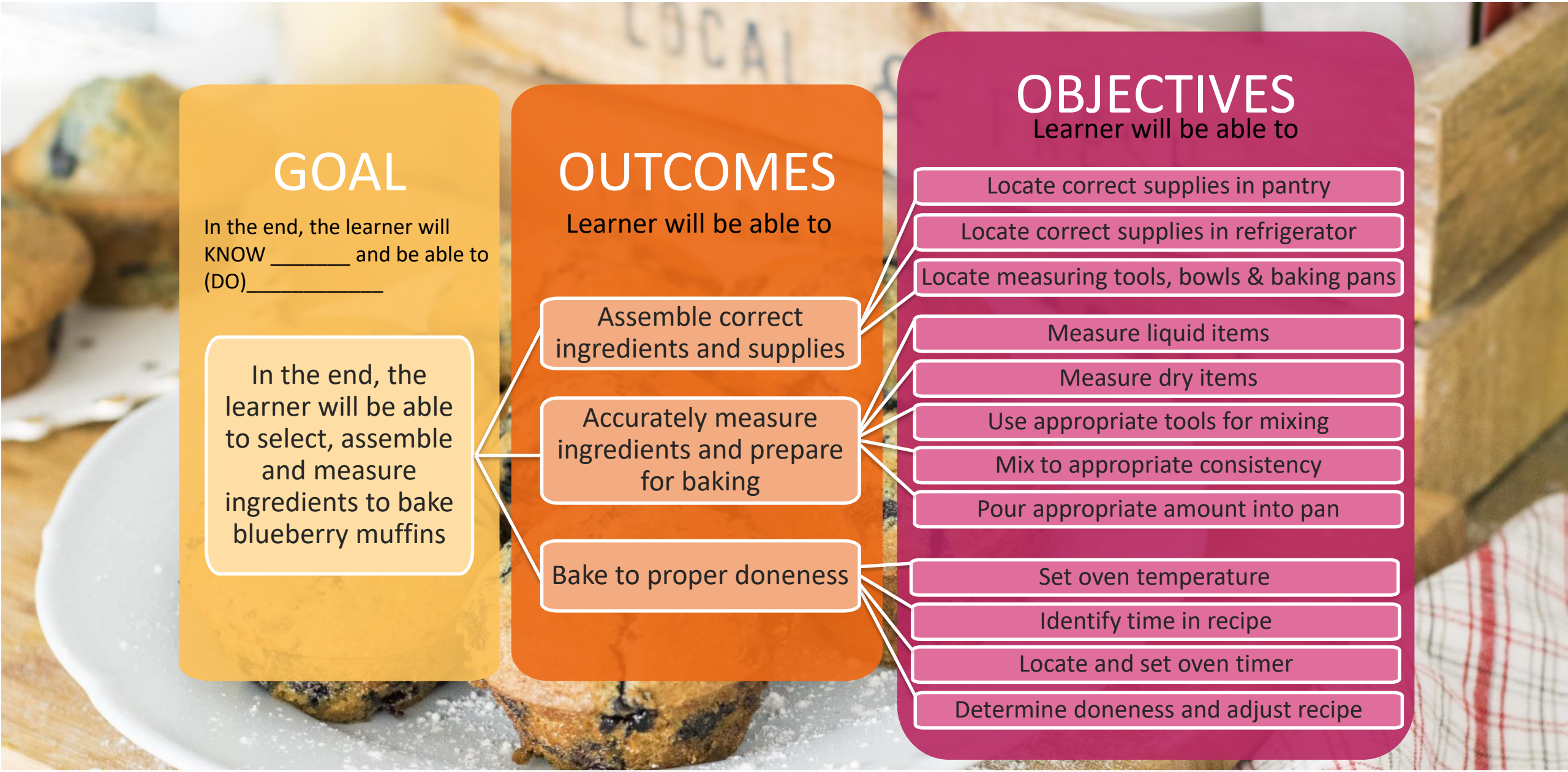
In this lesson, you will learn how to use the Format Painter to copy font styles

Focus on **LEARNING**
Task based

INSTRUCTIONAL DESIGN 101



ADD OBJECTIVES TO EACH OUTCOME



GOAL

In the end, the learner will KNOW _____ and be able to (DO)_____

In the end, the learner will be able to select, assemble and measure ingredients to bake blueberry muffins

OUTCOMES

Learner will be able to

- Assemble correct ingredients and supplies
- Accurately measure ingredients and prepare for baking
- Bake to proper doneness

OBJECTIVES

Learner will be able to

- Locate correct supplies in pantry
- Locate correct supplies in refrigerator
- Locate measuring tools, bowls & baking pans
- Measure liquid items
- Measure dry items
- Use appropriate tools for mixing
- Mix to appropriate consistency
- Pour appropriate amount into pan
- Set oven temperature
- Identify time in recipe
- Locate and set oven timer
- Determine doneness and adjust recipe

LET'S BAKE SOME BLUEBERRY MUFFINS

HOW DO YOU KNOW THAT THEY KNOW?

ASSESSMENT

HOW DO THEY KNOW THAT THEY KNOW?

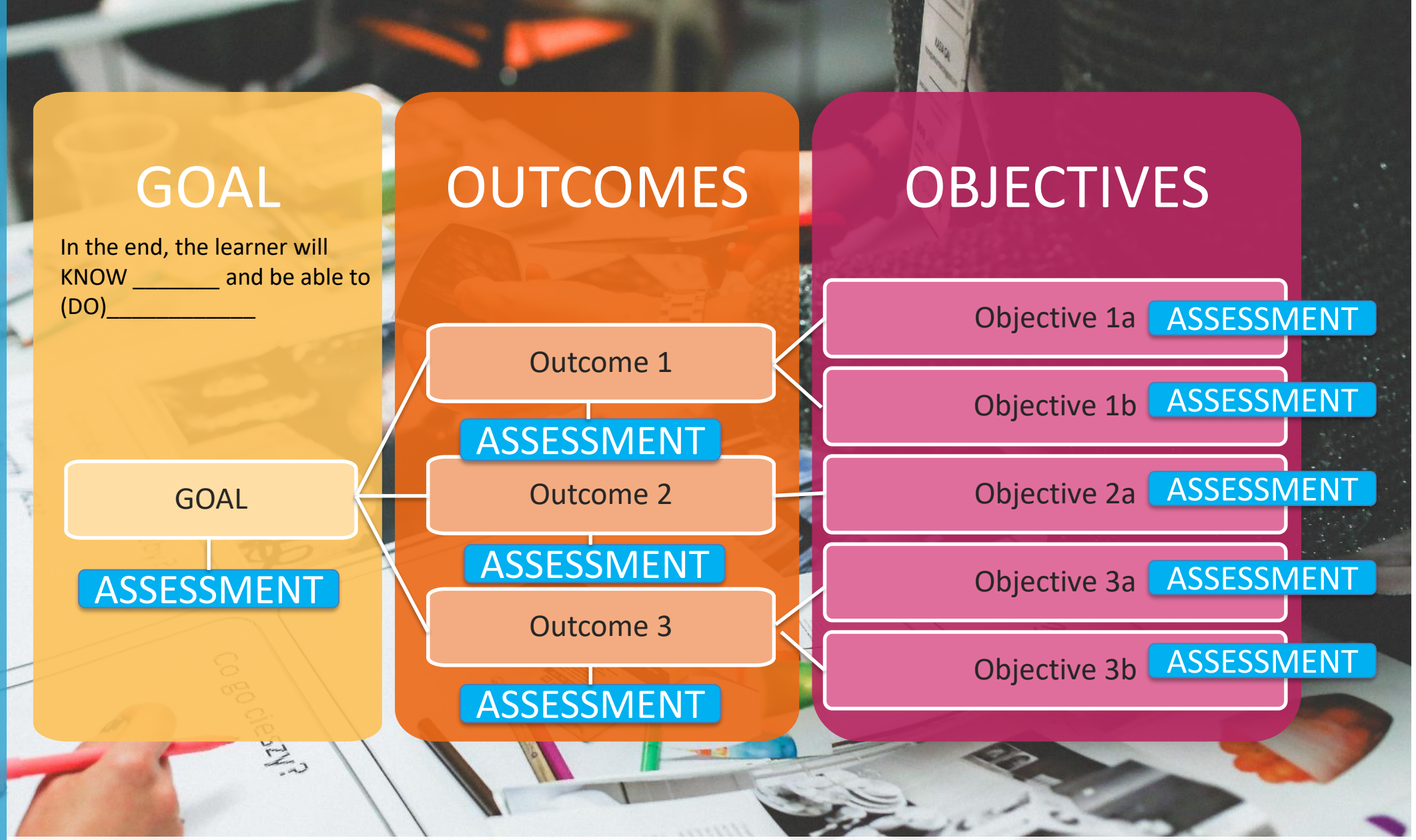
- Feedback
- Self measures
- Progress checks
- Reviews

and

ASSESSMENT

HOW DO YOU KNOW THAT THEY KNOW THAT THEY KNOW?

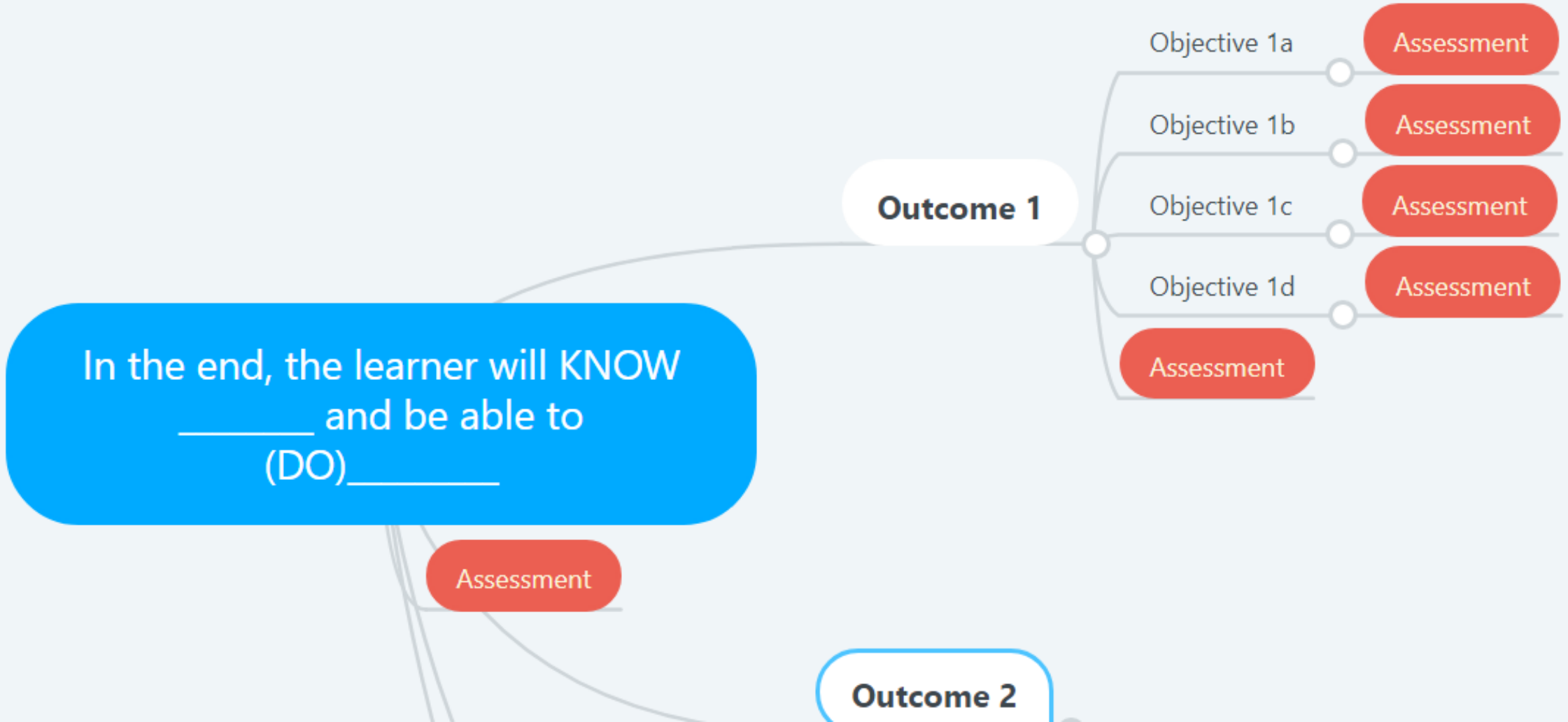
INSTRUCTIONAL DESIGN 101



ASSESS EACH COMPONENT

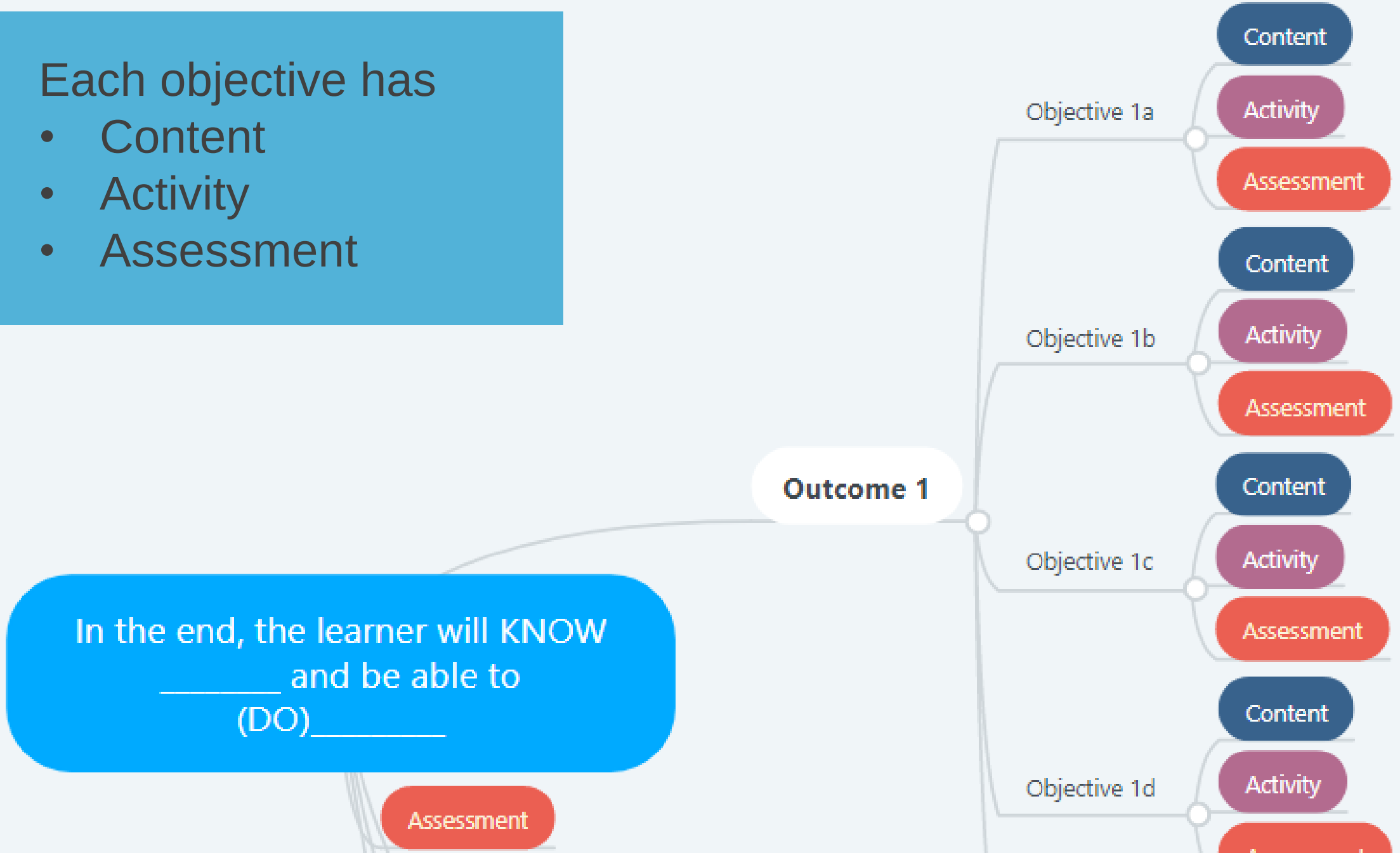
GOAL→ OUTCOMES → OBJECTIVES → ASSESSMENTS

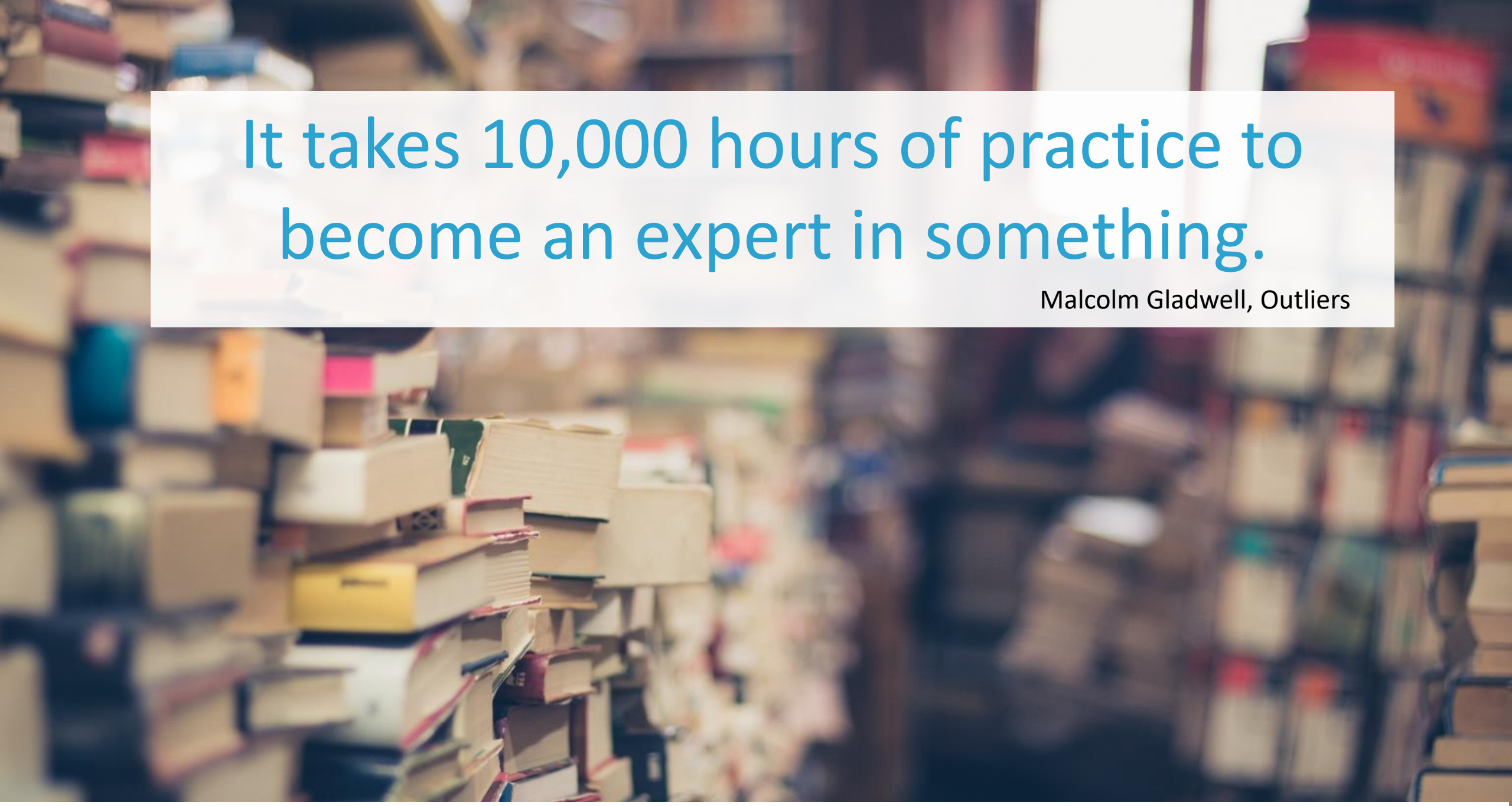
Now we add content and activities



Each objective has

- Content
- Activity
- Assessment



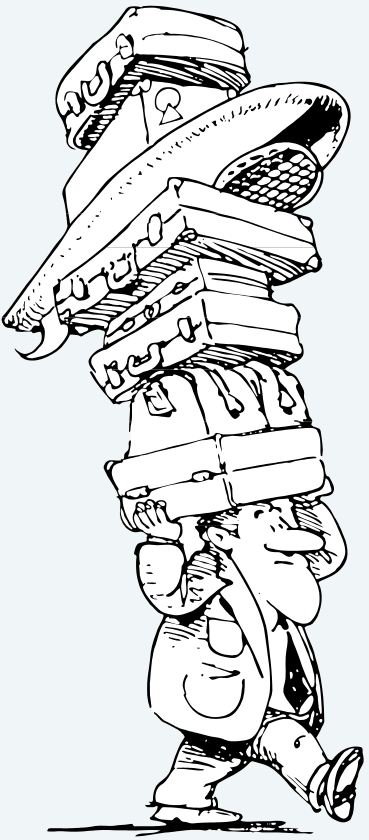


It takes 10,000 hours of practice to become an expert in something.

Malcolm Gladwell, Outliers

THE JUNK DRAWER

Is it aligned?



Maybe

Content

Content

Content

Content

In the end, the learner will KNOW _____ and be able to (DO)_____

Assessment

Outcome 1

Objective 1a: Content, Activity, Assessment

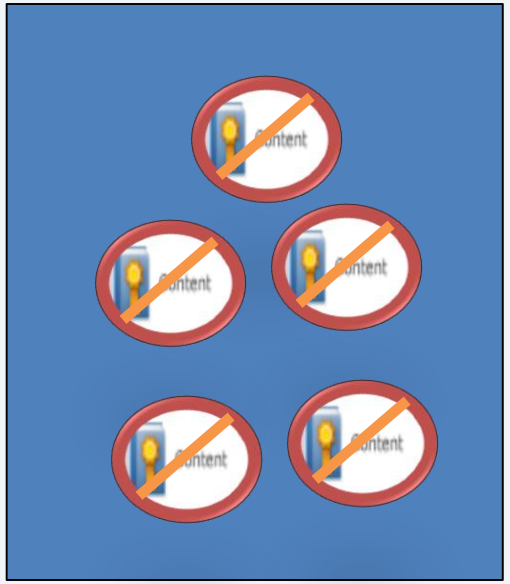
Objective 1b: Content, Activity, Assessment

Objective 1c: Content, Activity, Assessment

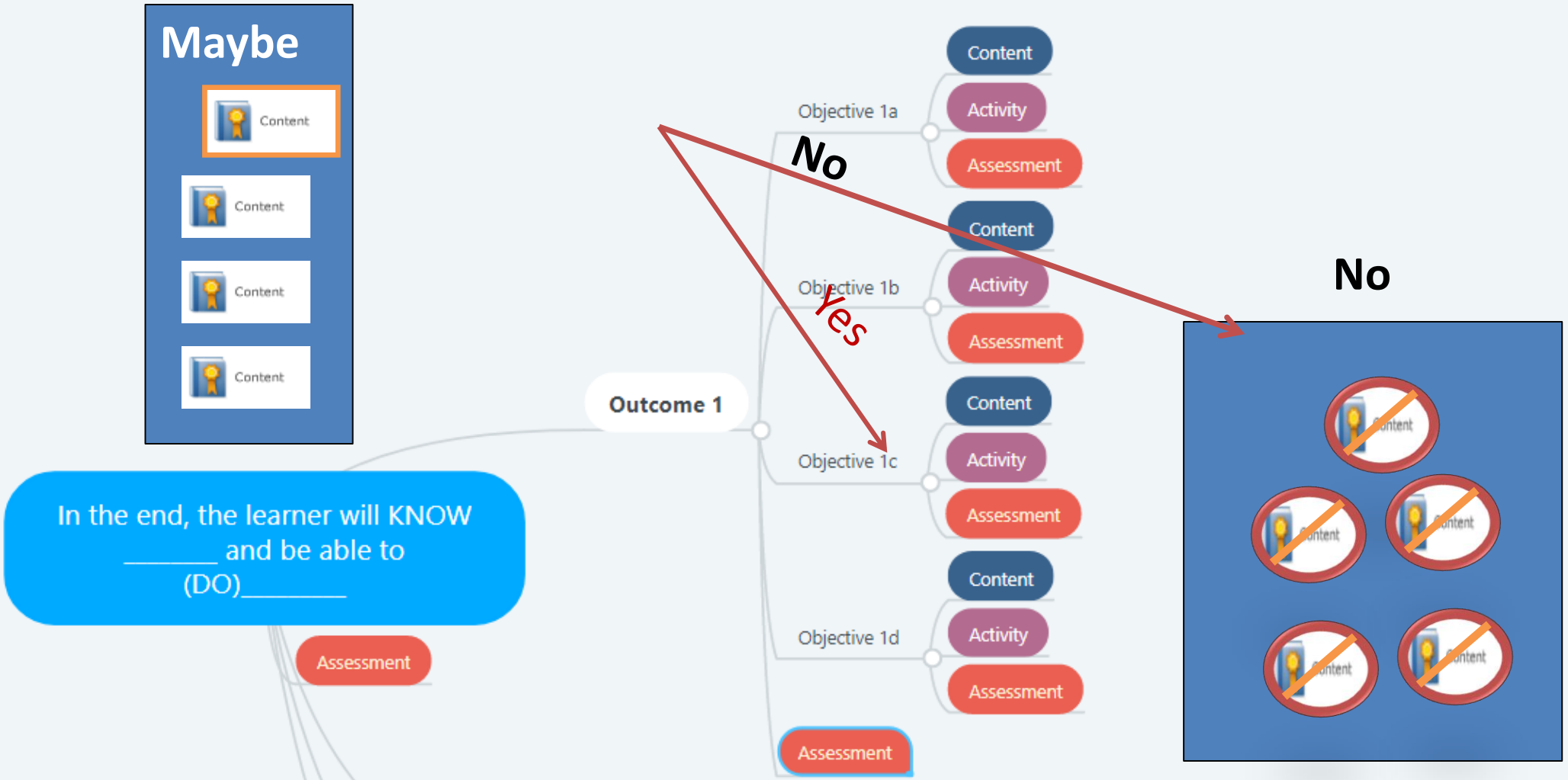
Objective 1d: Content, Activity, Assessment

Assessment

No

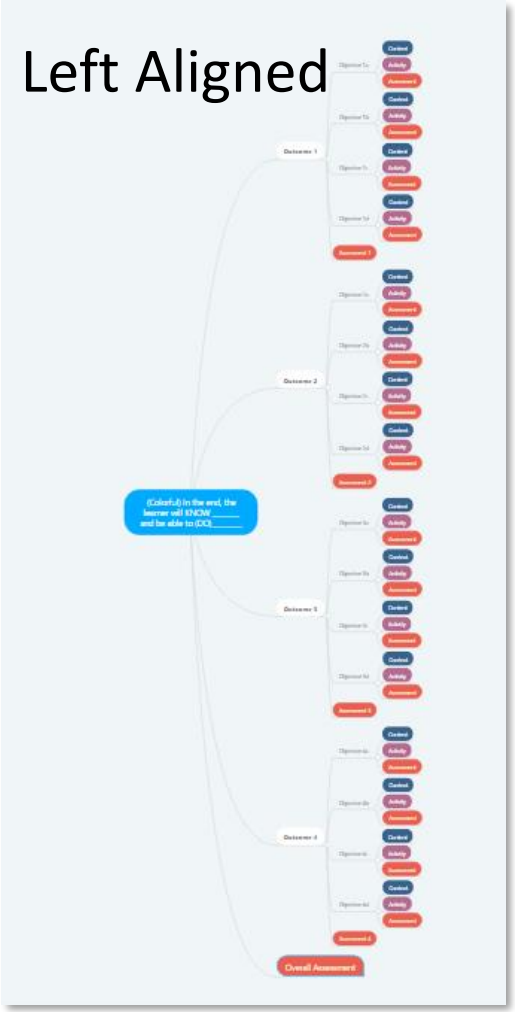


Is it aligned?



Final Mind Map

Left Aligned



Center Aligned

Read Clockwise

REVIEW

Mind maps defined
Needs Assessment
Course Design

What are your keepers from today?

TODAY'S GOAL

By the end of this workshop you should know what a mind map is and be able to create and leverage them for conducting needs assessment and designing courses.

CAN YOU?

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Thanks for coming, and completing your evaluation.