Better Instructional Design Through Mind Mapping

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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.
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.

Definition

Tony Buzan, Creator of Mind Mapping
These are mind maps.
Mind Map Guidelines

Clarity
- Start image
- Colors
- At least 3

Center
- Personal
- Develop

Style
- Images
- Emphasis
- Codes
- Dimension

Use
- Links
- Colors
- Use

Keywords
- Case
- Upper and lower
- Print
- Lines
- Organised
- Style
- Central
- More important
- Thicker
- Outer
- Thinner
- Less important
- Organic
- Free
- Flowing
- Same as
- Word
- Image
- Connect
- Word
- Image alone
- For each
- Center
- Radiate out
- Length
Considerations
- Free or Paid?
- Online or Offline?
- App?
- Export and Import?
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

BETTER INSTRUCTIONAL DESIGN THROUGH: MINDMAPPING
BETTER INSTRUCTIONAL DESIGN THROUGH: MINDMAPPING

Expand. Add Pictures. Add Color.

Look for Relationships.
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

- **Who?**
  - Job role
  - Learners
  - Age
  - ELL/Accessibility Issues
  - Manager Training?
  - Stakeholders

- **Why?**
  - What do they need to know and do?
  - What materials do you have for me?
  - What system will we use?
  - Project rollout

- **What?**

- **When?**

- **Where?**

- **How?**
  - How will we know they are doing it well?
  - How will they need to perform?

- **Why now?**

**Needs Assessment**

BETTER INSTRUCTIONAL DESIGN THROUGH: MINDMAPPING
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

Familiarization
Comprehension
Conscious Effort
Conscious Action
Proficiency
Unconscious Competence

BETTER INSTRUCTIONAL DESIGN THROUGH: MINDMAPPING
Before you leave DOCUMENT

BUSINESS GOAL
WHY you are doing this

COURSE GOAL
What the learner should know and be able to do

BETTER INSTRUCTIONAL DESIGN THROUGH: MINDMAPPING
In the end, the learner will KNOW _______ and be able to (DO)__________
In the end, the learner will KNOW ______ and be able to (DO)__________

GOAL

OUTCOMES

Outcome 1

Outcome 2

Outcome 3
OUTCOMES
• Focus on the learner
• End state results
• WIIFM

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

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

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

Focus on LEARNING
Task based
INSTRUCTIONAL DESIGN 101

OBJECTIVES

OUTCOMES

GOAL

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

Outcome 1

Objective 1a

Objective 1b

Outcome 2

Objective 2a

Outcome 3

Objective 3a

Objective 3b

ADD OBJECTIVES TO EACH OUTCOME
In the end, the learner will be able to select, assemble and measure ingredients to bake blueberry muffins. In the end, the learner will KNOW _______ and be able to (DO)___________.

**OBJECTIVES**

- 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

**OUTCOMES**

- Learner will be able to
  - Assemble correct ingredients and supplies
  - Accurately measure ingredients and prepare for baking
  - Bake to proper doneness

**LET’S BAKE SOME BLUEBERRY MUFFINS**
HOW DO YOU KNOW THAT THEY KNOW?

ASSESSMENT

BETTER INSTRUCTIONAL DESIGN THROUGH: MINDMAPPING
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?

BETTER INSTRUCTIONAL DESIGN THROUGH: MINDMAPPING
OBJECTIVES
OUTCOMES
GOAL

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

ASSESS EACH COMPONENT
In the end, the learner will KNOW _____ and be able to (DO)______

Outcome 1
- Objective 1a: Assessment
- Objective 1b: Assessment
- Objective 1c: Assessment
- Objective 1d: Assessment
Each objective has

• Content
• Activity
• Assessment

In the end, the learner will KNOW ______ and be able to (DO)_______
It takes 10,000 hours of practice to become an expert in something.

Malcolm Gladwell, Outliers
In the end, the learner will KNOW ______ and be able to (DO) ______.
In the end, the learner will KNOW ______ and be able to (DO)_______
Final Mind Map

Left Aligned

Center Aligned
Read Clockwise

Better Instructional Design Through: MindMapping
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?
Thanks for coming, and completing your evaluation.

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