

Task-Based Activity Development

Developing Task-based, Authentic Learning Activities for OALCF Paths

Part Five

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Partnership of:

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Review Quiz

1. Narrate, Summarize and Compare & Contrast are what level of processing?
 - a. Moderate
 - b. Difficult
 - c. Easy
2. TOM stands for:
 - a. Type of meaning
 - b. Type of method
 - c. Type of match
3. A low level task asks learners to compare information from two or more areas of a document. True or False

Part 5 Agenda

- ✓ Theoretical basis
- ✓ Complexity in-depth
- ✓ Review
- ✓ Final Assignment

Task Activity

Construction Estimator Document – 2 pages

Hands-on Activity: Create 1 – 2 tasks/questions

Estimate Detail Form

Company: _____ Estimate #: _____ Estimator: _____ Date: _____
 Job: _____ Estimate due: _____ Checked by: _____ Date: _____
 Address: _____ Notes: **Wall removal**
 Job Description: _____ **New ceramic floor**
 CSI Division/Account: _____

Item or Description	Qty	Unit	Material		Manhours		Labor		Equipment		Subcontract		Total Cost
			Unit \$	Ext \$	MH/Unit	MH Ext	MH\$	Ext \$	Unit \$	Ext \$	Unit \$	Ext \$	
Waste Floor						6		\$25 /man hr.					\$150
Prep Floor						2		\$40					\$80
Refinish Wall													
Drywall						1		\$40					\$40
Paint						2		\$40					\$80
Tile	650sq'							\$3/sq'					\$1950
Grout	650sq'					2 hours		\$40					\$80
Sealer	650sq'					2		\$40					\$80
Total Direct Costs this sheet			Total Material \$		Total Manhours		Total Labor \$		Total Equipment \$		Total Subcontract \$		Total \$

3 Step Process

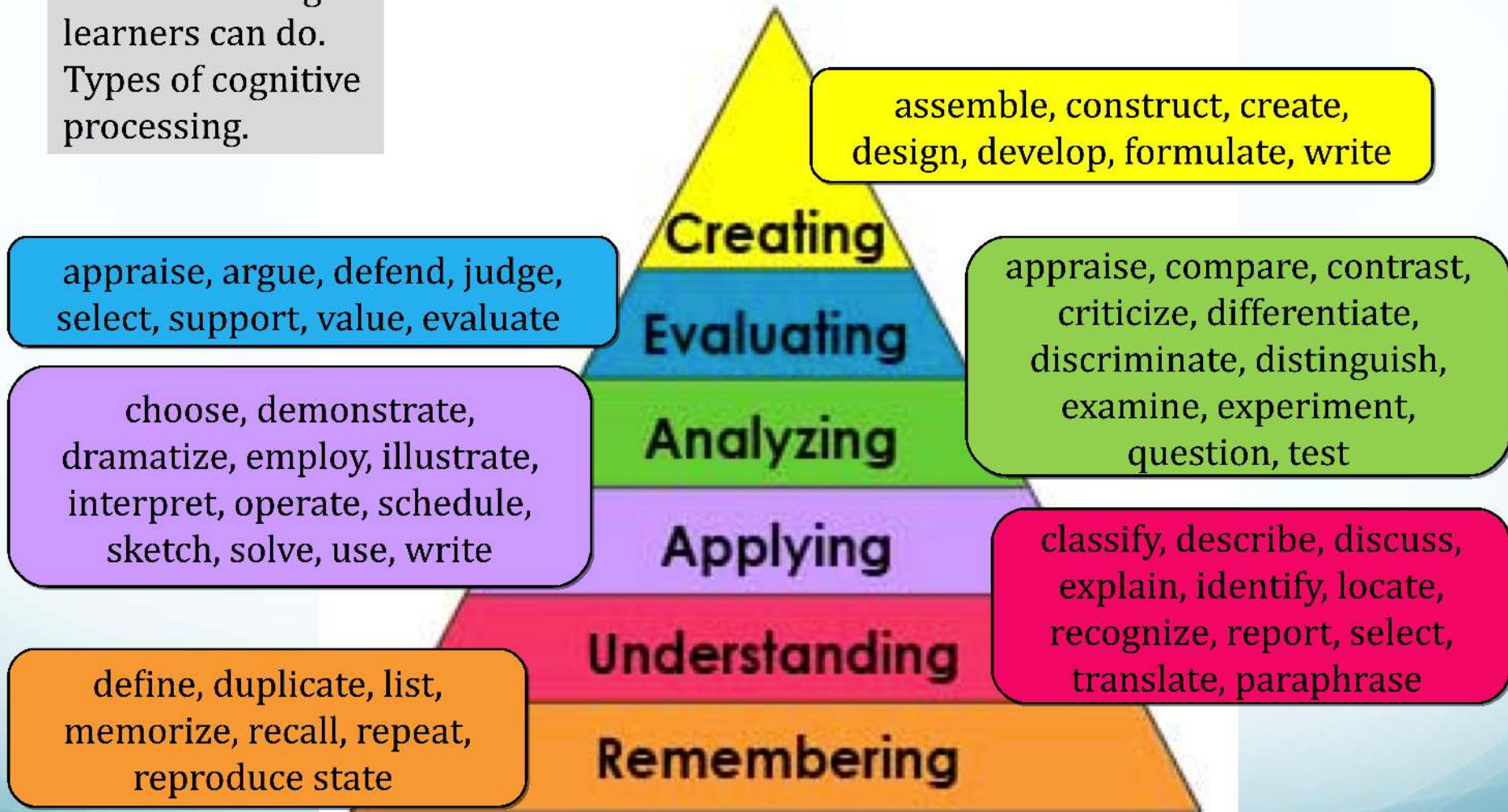
Step 1: Collect Documents

Step 2: Develop Focused Learning Activities

Step 3: Control Instructional Focus, Complexity

Bloom's Taxonomy

6 Levels: Things learners can do. Types of cognitive processing.



Background for Controlling Complexity

- Peter Mosenthal and Michael D. Hardt – Mosenthal Taxonomy
- Locate, Cycle, Integrate, Generate (LCIG)
- SkillPlan in B.C. – Controlling Complexity

Mosenthal Taxonomy - Periodic Table of Learning

A.I.M. Learning System™

Periodic Table of Learning

The Mosenthal Taxonomy

What info is given to help learner find the answer?

What info is learner looking for?

What does the learner have to do to get the answer?

Types of Requested Information		Types of Processing									Types of Match			
		Identify	Sort	Define/Describe	Narrate	Summarize	Compare/Contrast	Explain	Justify	Persuade	Locate	Cycle	Integrate/Generalize	
Zone 6 Generalized Conditions	Goal Set-Up, Main Idea/Theme/Lesson, Pattern/Predict, Process/Procedure, Equivalent, Indeterminate													
Zone 5 Relational Conditions	Cause/Effect, Assertion/Evidence Reason/Outcome, (problem set-up, solution set-up) Similarity/Difference													
Zone 4 Status Conditions	Condition (goal, problem, solution) Criteria Parts/Whole													
Zone 3 Action Qualifiers	Manner, Sequence Purpose/Function													
Zone 2 Actions & Qualifiers	Location, Action, Attribute, Amount, Time, Type													
Zone 1 Nouns	Person, Animal, Thing, Place, (group)													

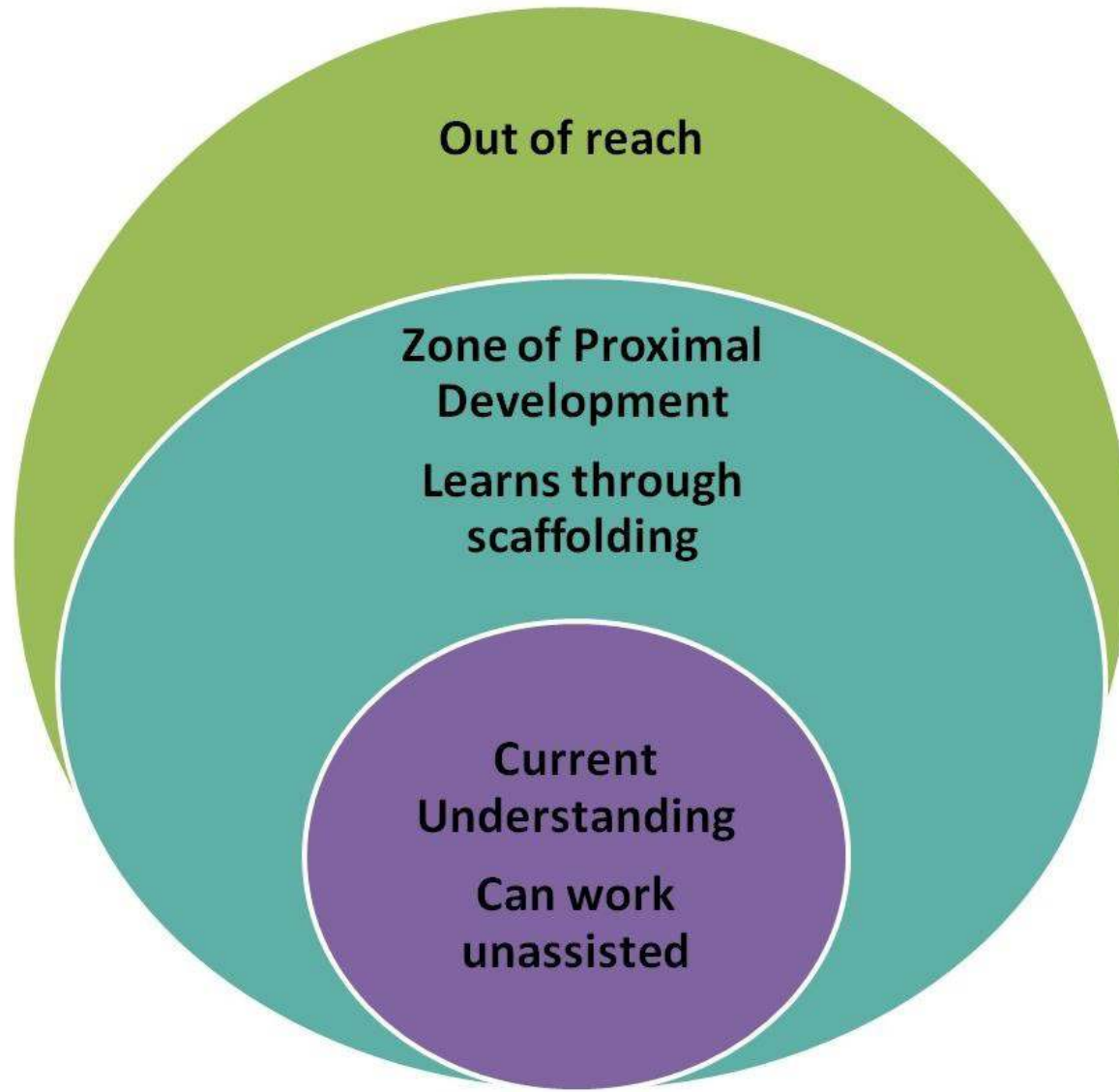
Refer to handout: "Ladder Handout Mosenthal Taxonomy"

Four Constructs of a Question

Four Constructs of a task/question:

- Type of Requested Information (TORI)
- Type of Match (TOM)
- Type of Processing (TOP)
- Competing Information (CI) – aka “distractors”

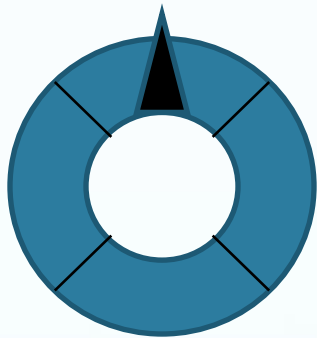
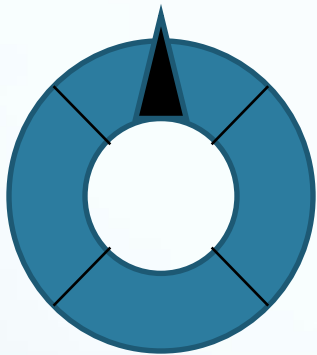
Zone of Proximal Development



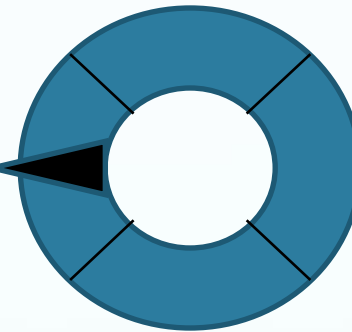
Construct Dials

Moderate

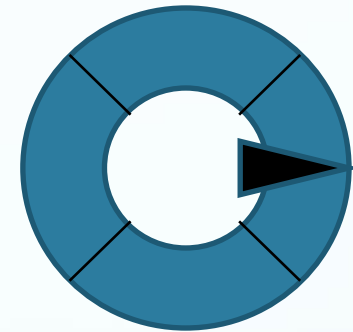
Moderate



Easy



Difficult



TORI

TOM

TOP

CI

SNAP your TORI

Read It

When is the start date for the contract?

Snap It

- Given: There is a start date for the contract.
- Requested: When is that start date?

Read It


How many parts must be packed into one box?

Snap It

- Given: There are parts packed into one box.
- Requested: How many parts?

Think of TORI as “snap the question!”

Question Words and TORI

	Question Words	Types of Requested Information (TORI)	Average Correct Response*
Challenging  Easy	What	All types	?
	Why	Reason	51
	Which	Criteria	63
	How	Manner – not process	74
	When	Time	81
	How much	Amount	86
	Where	Place/location	92
	Who	Person	97

Complexity Level: Rate These Tasks

Based on what we just discussed, please rate the level of complexity: easy, moderate or difficult.

1. What kind of fuel does this engine use?
2. What is the process for making the gel mixture?
3. Under what conditions is it safe to enter the tank?

Type of Match (TOM): levels of difficulty

Types of Match

Easy		Moderate	Difficult
<p>Locate Matching given information to exact or similar information in the document</p>	<p>Cycle Making two or more Locate matches within or between parts of a document to find two or more pieces of Requested information</p>	<p>Integrate Using two or more pieces of information located from a Cycle of a document to construct the Requested information of the task</p>	<p>Generate Using one or more pieces of information from a Locate, Cycle or Integrate with specific background knowledge that is not contained in the document to create the Requested information of the task.</p>

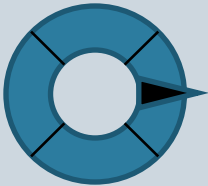
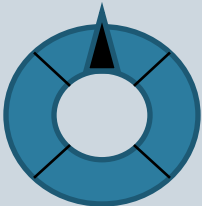
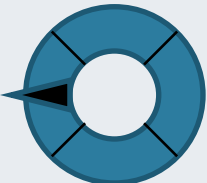
TOP – Levels of Difficulty

Types of Processing

Easy			Moderate			Difficult		
Identify	Sort	Define & Describe	Narrate	Summarize	Compare & Contrast	Explain	Justify	Persuade

Simple  **Complex**

Competing Information (CI)

Dial of Difficulty of Levels	Types of CI (Distractors)	
Difficult 	One exact or similar piece of Competing Information inside the answer zone	Given and Requested information appear in the same paragraph after the answer zone
Moderate 	Two or more exact or similar pieces of Competing Information inside the answer zone	
Easy 	Answer is at the beginning of the answer zone	
	No Competing Information	

Summary:

Document > Tasks > OALCF

- ✓ Review the document
- ✓ Determine the relevant pathway
- ✓ Begin drafting tasks (3 – 7 questions)
- ✓ Review each task for OALCF competencies & complexity levels
- ✓ Check for scaffolding – working from easy to more difficult
- ✓ Revise as needed

More Information

For more detailed information, purchase the resources: ***Developing Work-related Learning Materials*** (English & French) and ***Controlling Complexity*** (English) from SkillPlan BC

Website: www.skillplan.ca

Publications link:

<http://skillplan.ca/tools-and-publications>

Final Assignment

We encourage you to develop a task set (3 to 7 tasks/questions per set) based on an authentic document.

This assignment is not required. You may share your task set with other teachers within the Deaf stream.

If you have any questions or support with developing task sets, please feel free to contact Deaf Literacy Initiative.

Thank You!!!



*Deaf Literacy
Initiative*