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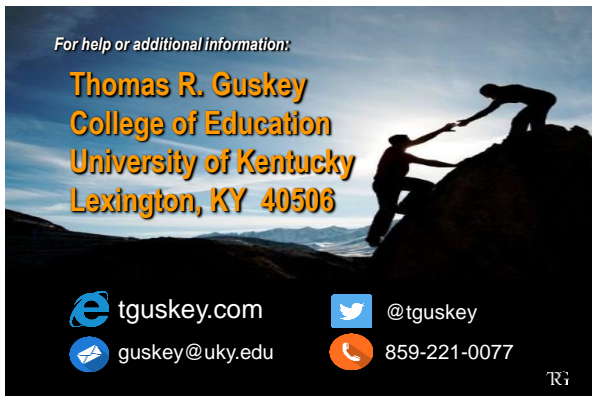
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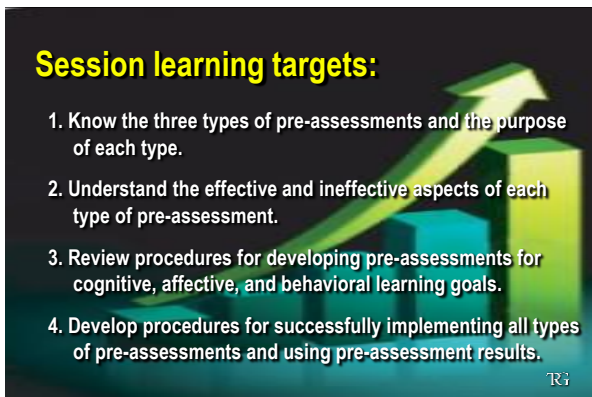
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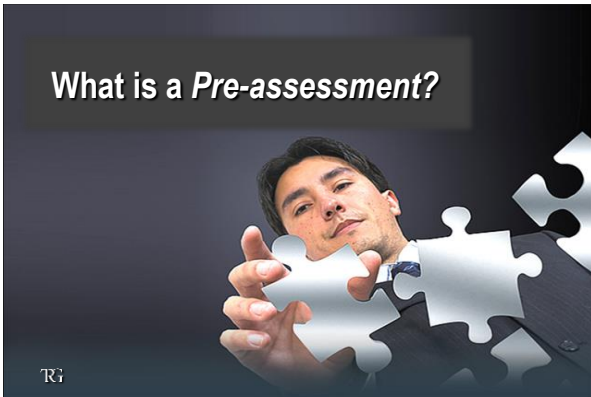
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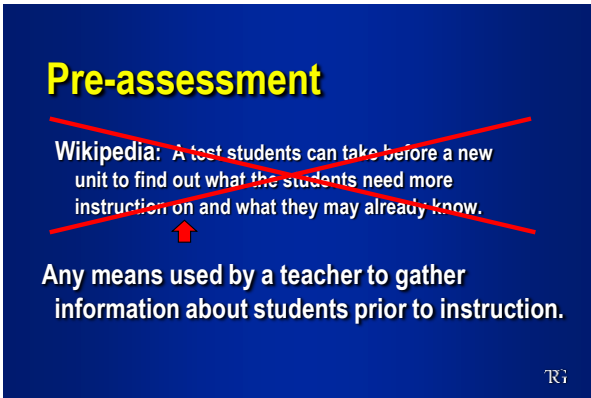
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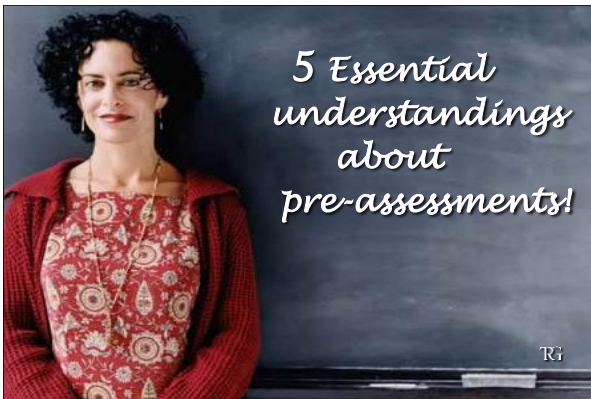
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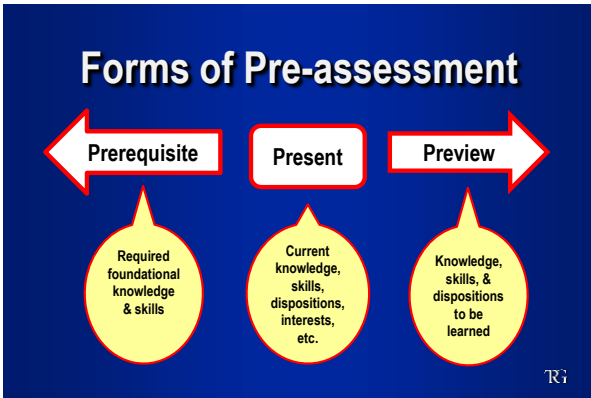
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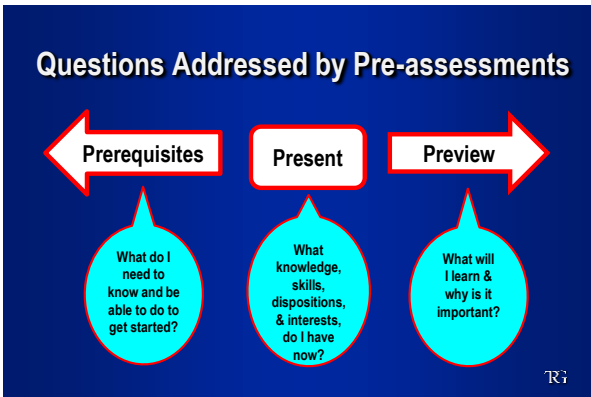
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## 2. Pre-assessments measure three types of learning:

- ✓ **Cognitive**  
(Achievement & proficiency)
- ✓ **Affective**  
(Dispositions & interests)
- ✓ **Psychomotor**  
(Skills & behavior)

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## 3. Each type has different levels of complexity!

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Cognitive	Affective	Psychomotor
knowledge	attitude	skills
1. Recall data	1. Receive (awareness)	1. Imitation (copy)
2. Understand	2. Respond (react)	2. Manipulation (follow instructions)
3. Apply (use)	3. Value (understand and act)	3. Develop Precision
4. Analyse (structure/elements)	4. Organise personal value system	4. Articulation (combine, integrate related skills)
5. Synthesize (create/build)	5. Internalize value system (adopt behaviour)	5. Naturalization (automate, become expert)
6. Evaluate (assess, judge in relational terms)		

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4. In the past, pre-assessments have been used for **two major purposes**.

1. To **establish a baseline of performance** from which improvement, progress, or learning gain can be measured (Preview).
2. To **identify exceptional learners** for whom special instructional programs must be planned (Prerequisite & Preview).

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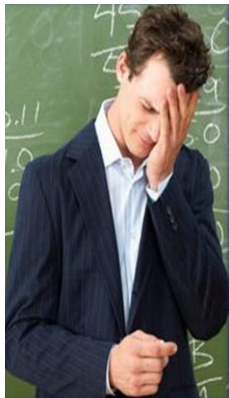
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## Research evidence?

With few exceptions, we could find **little research evidence** showing that successful teachers consistently use pre-assessment data in planning instruction or that the use of such data results in more effective instruction and improved student learning.

Guskey & McTighe (2016)

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## Potential advantages of **Present** pre-assessments

(Guskey & McTighe, 2016)

1. Determine students' prior knowledge and skills.
2. Monitor student progress.
3. Communicate expectations.
4. Focus attention on learning targets.
5. Check for misconceptions.
6. Identify students' interests, talents, and preferred ways of learning.

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### Noted drawbacks of **Present** pre-assessments

(Guskey & McTighe, 2016)

1. Begin instruction on a bad note.
2. Confirm what teachers already know.
3. Waste valuable instructional time.
4. Create management challenges for teachers.
5. Offer little time for analysis.
6. Can get too personal.

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### Guidelines for **Present** pre-assessments

(Guskey & McTighe, 2016)

1. Clarify the purpose for any pre-assessment.
2. Determine how you will use the information.
3. Design pre-assessments for use at the start of the school year or new courses when essential.
4. Use pre-assessments judiciously and efficiently.



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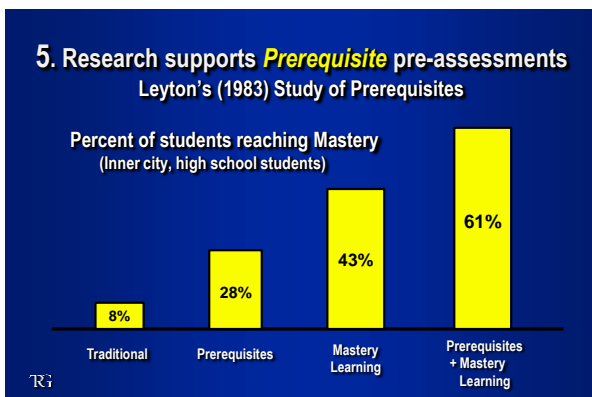
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### Using the Domains of Learning to plan pre-assessments

1. Cognitive
2. Affective
3. Psychomotor

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### Bloom's Cognitive Taxonomy

1. Knowledge
2. Comprehension
3. Application
4. Analysis
5. Synthesis
6. Evaluation

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### Bloom's Revised Taxonomy

(Anderson & Krathwohl, 2001)

- Changed the names in the 6 categories from nouns to verbs
- Rearranged categories as shown in the chart below

Original Domain		New Domain
• Evaluation	➤	•Creating
• Synthesis		•Evaluating
• Analysis	➡	•Analyzing
• Application	➡	•Applying
• Comprehension	➡	•Understanding
• Knowledge	➡	•Remembering

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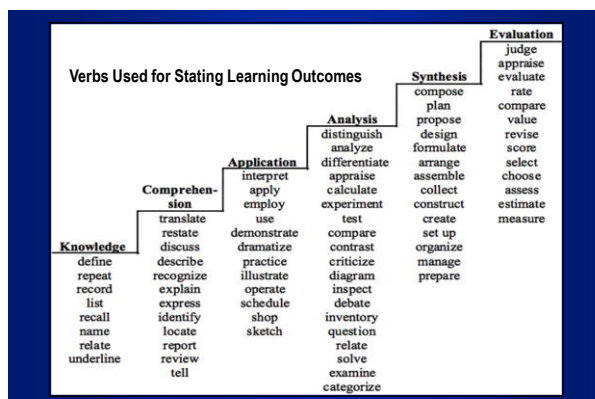
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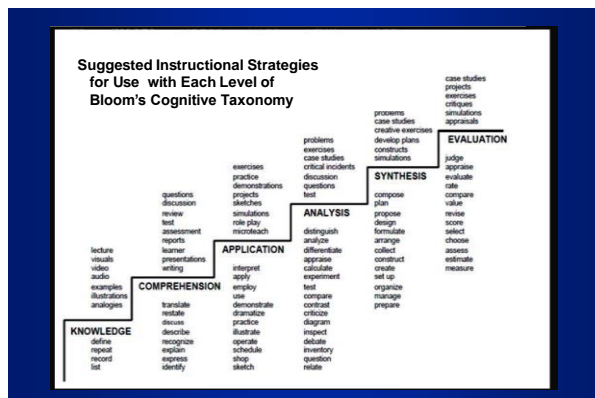
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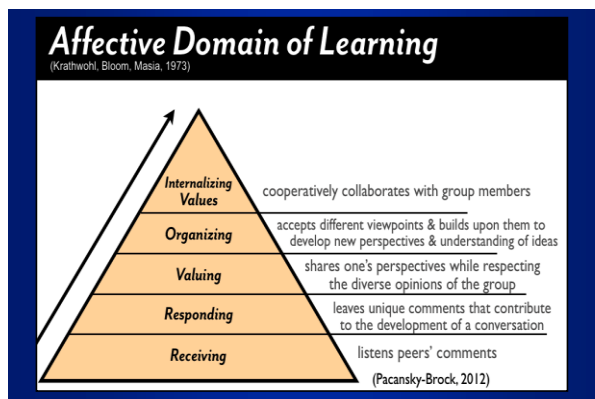
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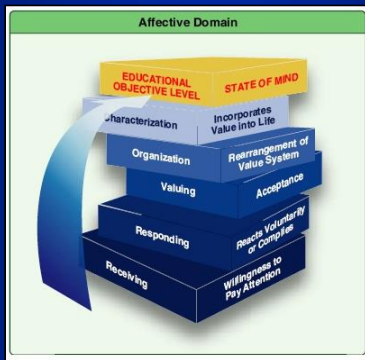
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**Affective Domain: Feeling - Attitudes**

Receiving	Responding	Valuing	Organizing & Conceptualizing	Internalizing
<b>Definition:</b> Selectively attends to stimuli.	<b>Definition:</b> Responds to stimuli.	<b>Definition:</b> Attaches value or worth to something.	<b>Definition:</b> Conceptualizes the value and resolves conflict between it and other values.	<b>Definition:</b> Integrates the value into a value system that controls behaviour.
- accept - acknowledge - be aware - listen - notice - pay attention - tolerate	- agree to - answer freely - assist - care for - communicate - comply - conform - consent - contribute - cooperate - follow - obey - participate - willingly - need voluntarily - respond - visit - volunteer	<b>Simple Affective Verbs:</b> - adopt - assume - responsibility - believe - according to - choose - commit - desire - exhibit loyalty - express - initiate - prefer - seek - show concern - show continual - desire to - use resources to	- adapt - adjust - arrange - balance - classify - conceptualize - formulate - group - organize - rank - theorize	- act upon - advocate - defend - exemplify - influence - justify behaviour - maintain - serve - support

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## Examples of Learning Outcomes in Affective Domain

- Accept the need for professional ethical standards.
- Appreciate the need for confidentiality in the professional client relationship.
- Display a willingness to communicate well with patients.
- Relate to participants in an ethical and humane manner.
- Resolve conflicting issues between personal beliefs and ethical considerations.
- Embrace a responsibility for the welfare of children taken into care.
- Participate in class discussions with colleagues and with teachers.

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Psychomotor Domain			
Level	Description	Verbs	Example
Imitation	copy action of another; observe and replicate	copy, follow, replicate, repeat, adhere	watch teacher or trainer and repeat action, process or activity
Manipulation	reproduce activity from instruction or memory	re-create, build, perform, execute, implement	carry out task from written or verbal instruction
Precision	execute skill reliably, independent of help	demonstrate, complete, show, perfect, calibrate, control	perform an activity with expertise and to high quality without assistance or instruction; able to demonstrate an activity to other learners
Articulation	adapt and integrate expertise to satisfy a non-standard objective	construct, solve, combine, coordinate, integrate, adapt, develop, formulate, modify, master	relate and combine associated activities to develop methods to meet varying, novel requirements
Neutralization	automated, unconscious mastery of activity and related skills at strategic	define aim, approach and strategy for use of activities to master	design, specify, manage, invent, project-manage

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Table of Specifications						
Knowledge of				Translations	Applications	Analysis & Synthesis
Terms	Facts	Rules & Principles	Processes & Procedures			

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## Table of Specifications

Knowledge of				Translations	Applications	Analysis & Synthesis
Terms	Facts	Rules & Principles	Processes & Procedures			
New Vocabulary Words Names Phrases Symbols	Specific Information Persons Events Data Operations	Relations Guidelines Organizational Cues	Patterns Sequences Order of Events or Operations Steps	Identify Describe Recognize Distinguish Compute	Use Illustrate Solve Demonstrate	Compare Contrast Explain Infer Combine Construct Integrate Create



## Table of Specifications

(Elementary Social Studies)


Knowledge of				Translations	Applications
Terms	Facts	Rules & Principles	Processes & Procedures		
Geography Geographer Map Scale Legend Topography Topographic features Longitude Latitude Coordinates	The skill of map-making is very old. Early people made maps based on inaccurate information. Inaccurate maps affected early explorations. Rivers determined the location of many early settlements.	Earth features influence many human activities: - The routes traveled - The location of towns and cities. - Occupations - The things eaten	Travel routes came first. Settlements, towns, and cities were established along major travel routes and intersections, especially rivers. Occupations developed based on the needs of travelers.	Describe how geography affected early travel routes. Describe why accurate maps were important to early explorers. Identify lines of longitude and latitude on a map. Describe how longitude and latitude helps locate points on maps.	Explain why major cities developed in their current locations. Identify specific points or locations on a new and unfamiliar map. Use a map in planning a travel route.



## Advantages of Tables of Specifications

1. Bring **precision** to teaching  
(Lower and higher level learning skills)
2. Link **instructional activities** with learning targets  
(Broad versus narrow standards)
3. Link **texts and materials** with learning targets
4. Align **classroom assessments** with learning targets





## Preparing Pre-Assessments

1. Prerequisite, present, or preview?
2. Cognitive, affective, or psychomotor?
3. What information is most important?
4. How will that information be used?

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## Questions to consider:

1. What was most valuable and useful?
2. What questions or concerns remain?
3. What should be the next steps?

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 859-221-0077

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