## Making Adult Learning Theory Come Alive!

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#### **Activity #1**



Consider the best teaching or learning event you can remember participating in...What made this such a great session?

What is an upcoming event you are supposed to teach?

Share your thoughts with a partner

We will hear a sample

2 Minutes

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#### **Disclosures**



The views expressed are those of the author(s) and do not reflect the official policy of the Department of the Army, the Department of Defense or the U.S. Government.

#### **Objectives**



- Reviewed classic and modern adult learning theories
- Introduced the AIM to ACT Toolbox
- Discussed the Vela model for designing learning events
- Designed learning tasks for your event using the Toolbox

#### **Take Away**

Promotion of understanding and retention of didactic material

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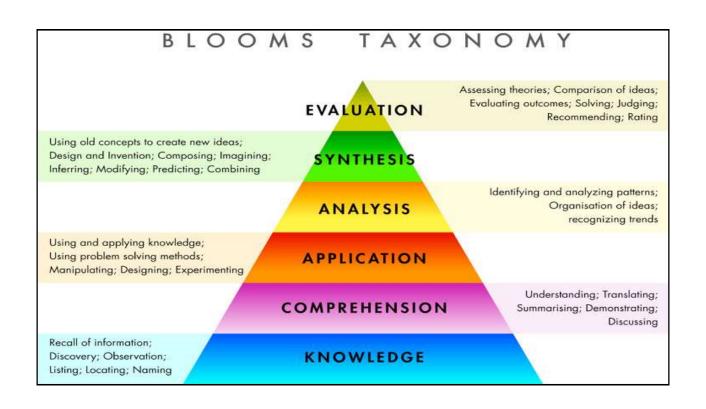
# Part I: Adult Learning Theories Adults learn best ... Per Part jump of many and a state of the state of the

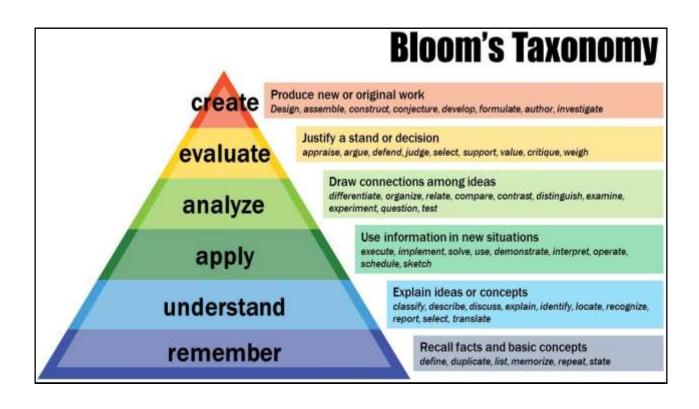
#### **Bloom's Learning Domains**



- Cognitive
  - Knowledge
- Affective
  - Attitudes
- Psychomotor
  - Skills
  - Behavior







#### Knowles' 5 Assumptions Of Adult Learners

#### Self-Concept

 As a person matures his/her self concept moves from one of being a dependent personality toward one of being a selfdirected human being

#### Adult Learner Experience

 As a person matures he/she accumulates a growing reservoir of experience that becomes an increasing resource for learning

#### Leam

 As a person matures his/her readiness to learn becomes oriented increasingly to the developmental task of his/her social roles

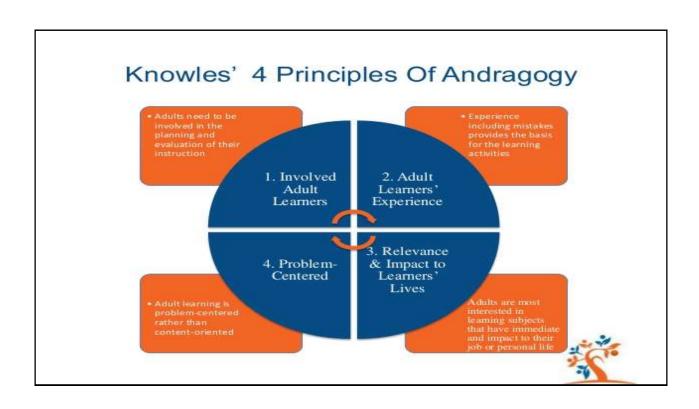
#### Orientation to Learning

· As a personal matures his/her perspectives changes from one of postponed application of knowledge to immediacy of application, and accordingly his/her orientation toward learning shifts from one of subjectcenteredness to one of problem centeredness

#### Motivation to Leam

 As a person mature the motivation to learn is internal



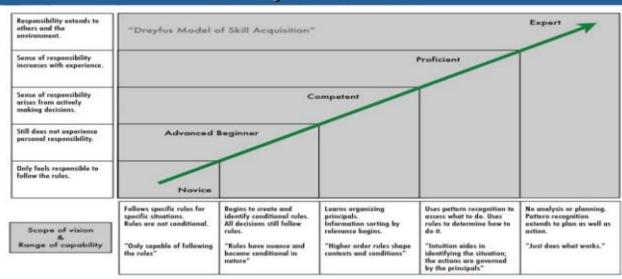


#### **Dreyfus Model of Skill Acquisition**



- Develop skills via instruction and experience
- 5 defined stages
- From dependence on abstract principles to concrete experience
- · Shift from controlled processing
  - Requires attention, not as proficient or skilled
- · Towards automatic processing
  - Requires less attention, easily completes task

#### The Dreyfus Model of Skill Acquisition



Has not achieved Level 1	Level 1	Level 2	Level 3	Level 4	Level 5
	Recognizes that an in- depth knowledge of the patient and a broad knowledge of sciences are essential to the work of family physicians  Demonstrates basic decision making capabilities  Demonstrates the capacity to correctly interpret basic clinical tests and images	Synthesizes information from multiple resources to make clinical decisions  Begins to integrate social and behavioral sciences with biomedical knowledge in patient care  Anticipates expected and unexpected outcomes of the patients' clinical condition and data	Recognizes and reconciles knowledge of patient and medicine to act in patients' best interest.  Recognizes the effect of an individual's condition on families and populations	Integrates and synthesizes knowledge to make decisions in complex clinical situations  Uses experience with patient panels to address population health	integrates in-depth medical and personal knowledge of patient, family and community to decide, develop, and implement treatment plans  Collaborates with the participants necessary to address important healt problems for both individuals and communities
Comments:				<del></del>	
Selecting a response box in the middle of a level implies that milestones in that level and in lower levels have been substantially demonstrated.  Selecting a response box on the line in between levels indicates that milestones in lower levels have been substantially demonstrated as well as <b>some</b> milestones in the higher level(s).					en

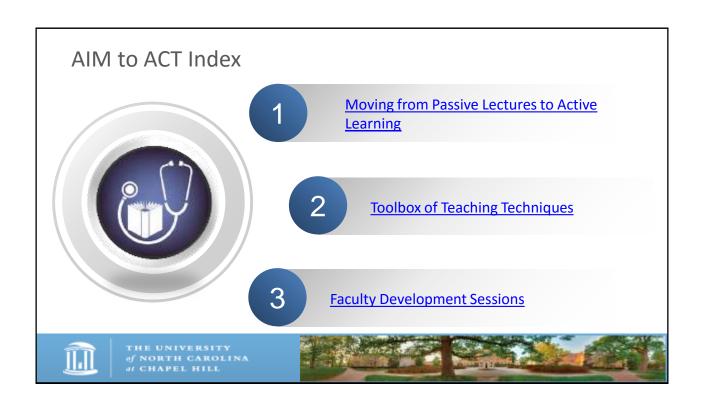
## Part II: AIM to ACT Active Classroom Toolbox UNC Family Medicine Teaching Fellowship 2015-2016 Educational Collaborative

#### Purpose of the Toolbox

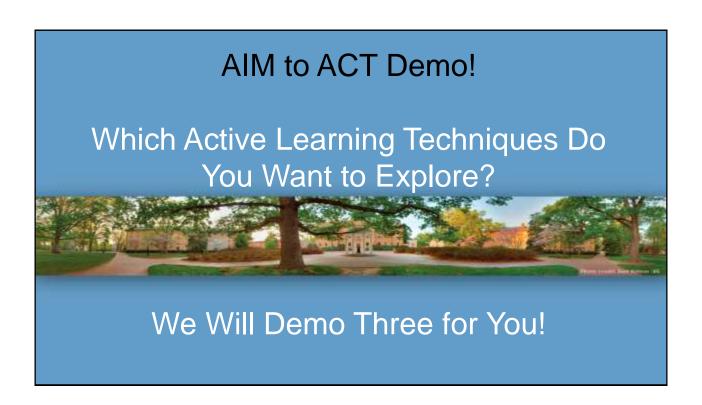
- Created by the Education Collaborative at the Faculty Development Fellowship at UNC Chapel Hill
- Provides simple, brief explanations of multiple active learning techniques
- Enables educators to overcome the status quo inertia that inhibits utilization of active learning methods
- Common barriers included: too much time to prepare, inability to cover content, status quo inertia













#### **Activity #2: Explore the Toolbox**



Work in small groups

Pick a topic your are scheduled to teach

Select 1-2 techniques from the AIM to ACT Toolbox

Incorporate them into your didactic plan

Be prepared to share your plan

5 Minutes

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## Part III: Planning a Learning Event: The 8 Steps and 4 A's





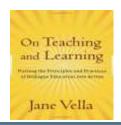
#### **Vella's Dialogue Education**

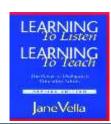


8 Steps and 4 A's by Jane Vella

"On Teaching and Learning"

"Learning to Listen, Learning to Teach"





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#### **Activity 3: Review Our 8 Steps**

- 1. Who?
- 2. Why?
- 3. So that?
- 4. When?

- 5. Where?
- 6. What?
- 7. What for?
- 8. How?

1 Minutes

#### Step 1: Who?

- Number of attendees
- Who are your learners? Teachers?
- What do they know? LNA ideal!
- How do they learn best?



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#### Step 2: Why?

- · What situation calls for this course?
- Why is this course important?
- Why are you here? Why NOW?
- · Identify need vs. requirement



#### Step 3: So That?

- Learning: what occurs in the event?
- Transfer: take it to a new place?
- Impact: change in organization?



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#### Step 4: When?

- Time of day, time frame
- How much can be taught?
- Respect for learner's time
- How much time to prepare?



#### Step 5: Where?

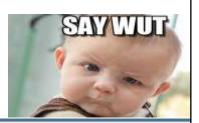
- Classroom, lecture hall, large or small
- Small-group facilitation
- AV support as needed
- Lighting and sound



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#### Step 6: What?

- · Content of the course
- Informed by the LNA
- Knowledge (cognitive)
- Skills (psychomotor)
- Attitudes (affective)



#### Step 7: What for?

- · Learning objectives of the course
- Achievement based
- Specific, measurable, "doable"
- Expressed by verbs
- · Include cognitive, psychomotor, affective



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#### Step 8: How?

- Timeline
- 4 A's = learning tasks
- · Takes planning & materials
- · Teacher as facilitator



## Activity 4: Your Learning Event

On the worksheet, complete the 8 Steps for YOUR learning event

Don't work on the 4 A's yet!

Share your ideas with your neighbors

10 Minutes

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#### Activity 5: Review Our 4 A's

Page 3 lists the 4 A's for this session

No specific order or blend of activities

Mix of activities is KEY

Follow along and think about YOUR event

1 Minutes

#### 8. How = 4 A's

Anchor: connect with what they know

Add: learn something new

Apply: practice what they learned

Away: take it home and use it

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# Large Group Techniques 1 Audience Response Systems 2 Find the Flaw 3 Jeopardy! 4 Walking Gallery 5 Guided Note Taking 6 Team Recall Small Group Techniques 1 Jigsaw 2 3-2-1 Process 3 Small Group Questions 4 Small Working Groups 5 Think-Pair-Share 6 Poll Everywhere Instant Feedback

### Activity 6: How to Make a PB&J

Form pairs or groups of three

Write 4 tasks for a 4 year old using the 4 A's

Use tools from the AIM to ACT Toolbox





5 Minutes

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## Activity 7: Design Your Event with Vella



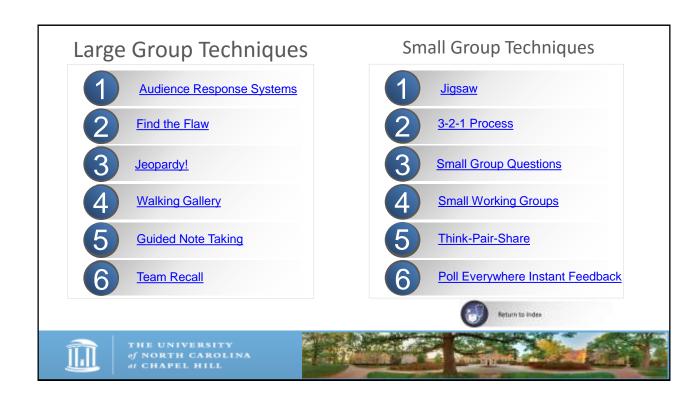
Review the 8 Steps and 4 A's handout

Plan the 4 A's for your learning event

Use tools from the AIM to ACT Toolbox

Be prepared to share with the group

10 Minutes



### Activity 8: Give Your Event

Share details

Write down details

Give your event, get feedback

Attend event, give feedback

**TBD** 

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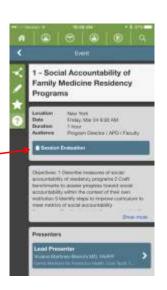
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#### Please...

Complete the session evaluation.

Thank you.



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#### Please...

Complete the session evaluation.

Thank you.



