

Setting Educational Objectives

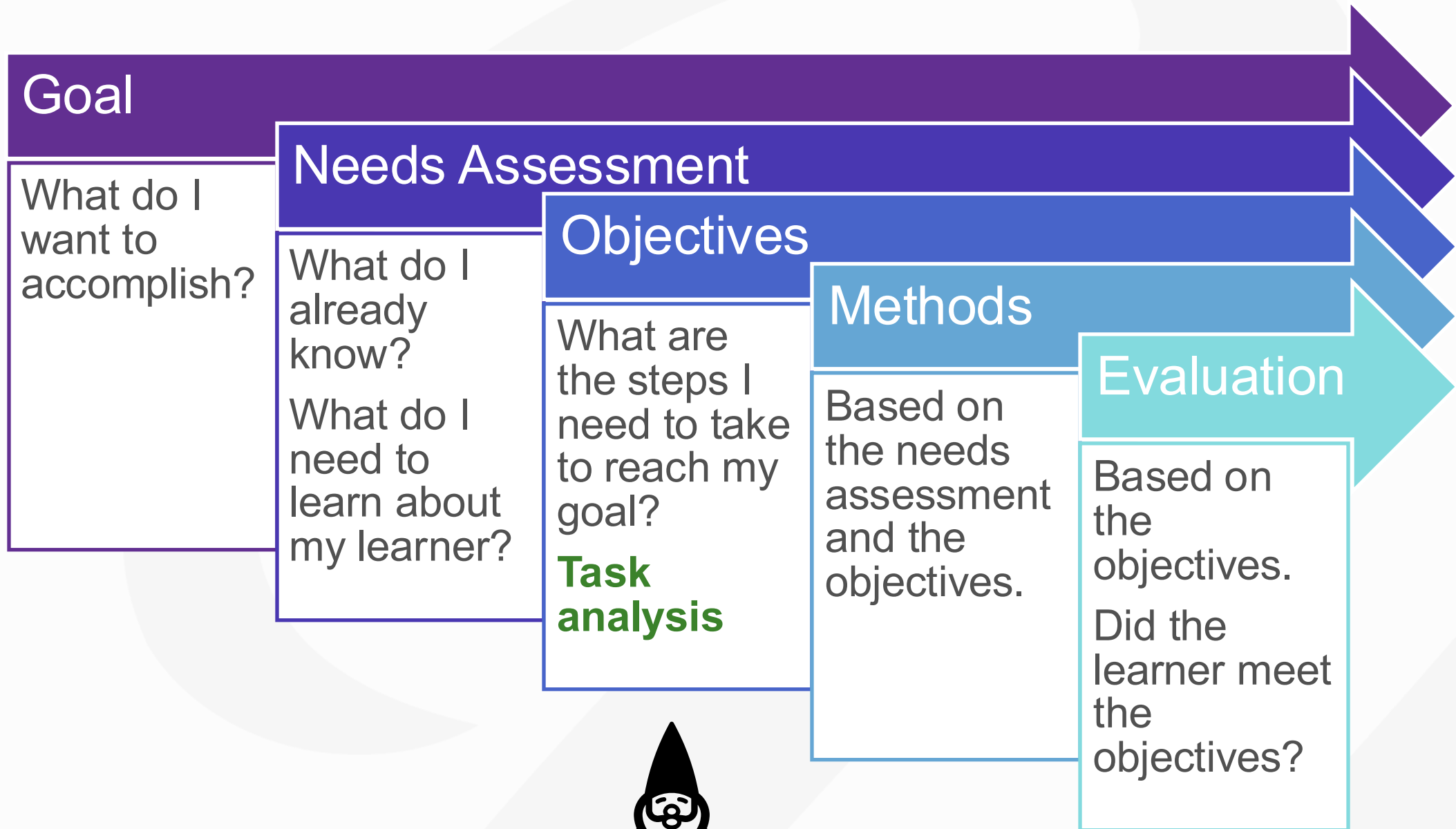
Susan Hogan, MD, MPH



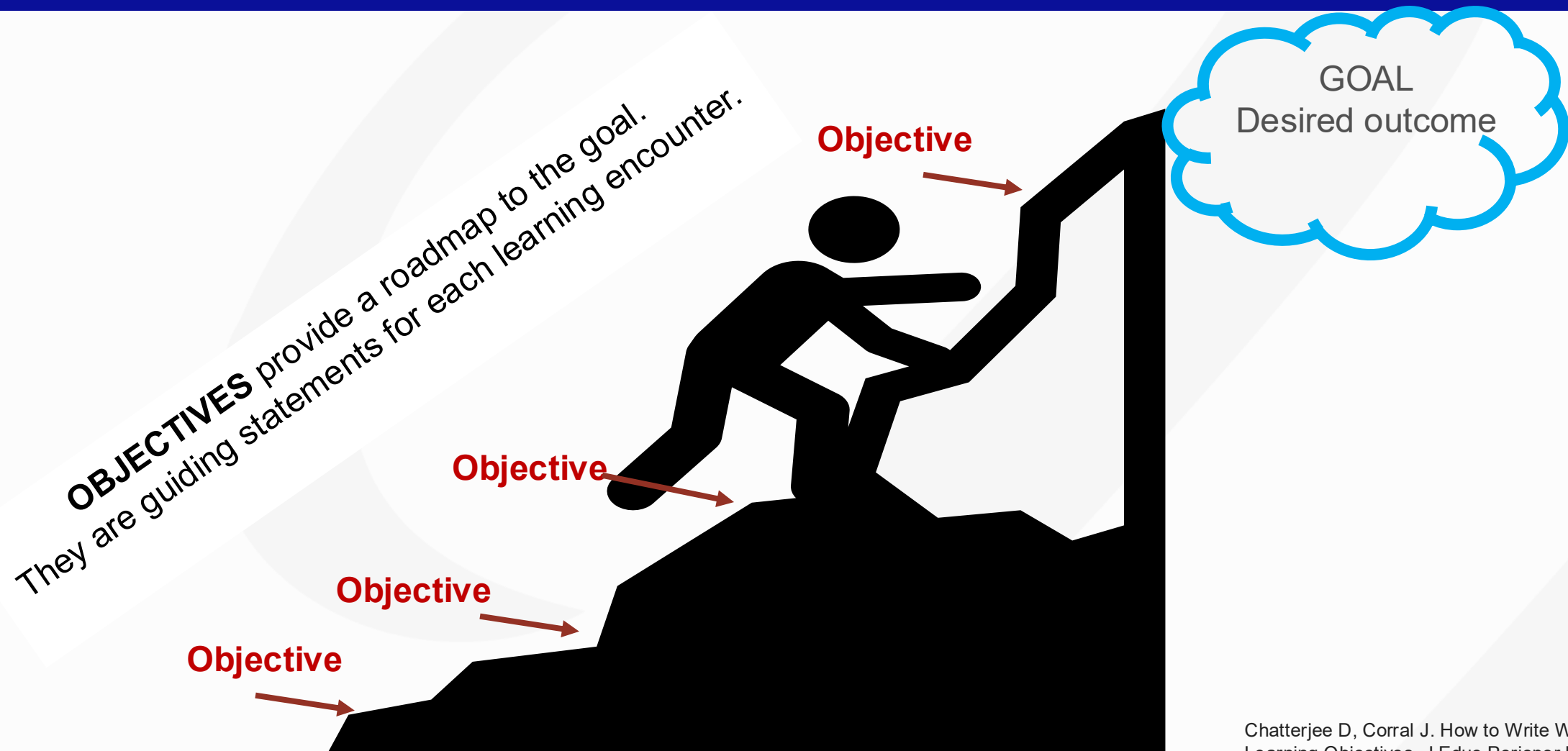
Objectives

Participants will be able to...

- Explain the role of objectives in intentional teaching
- Create a SMART learning objective
- Set learning objectives using a task analysis
- Apply skills in small group practice

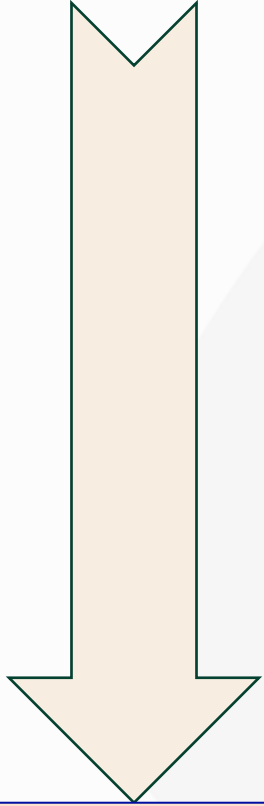


Difference Between a Goal and an Objective



Chatterjee D, Corral J. How to Write Well-Defined Learning Objectives. J Educ Perioper Med. 2017 Oct 1;19(4):E610. PMID: 29766034; PMCID: PMC5944406.

Goal



Objectives



Learn about
Animals



Learn about
Mammals



Learn about Elephants

Goals

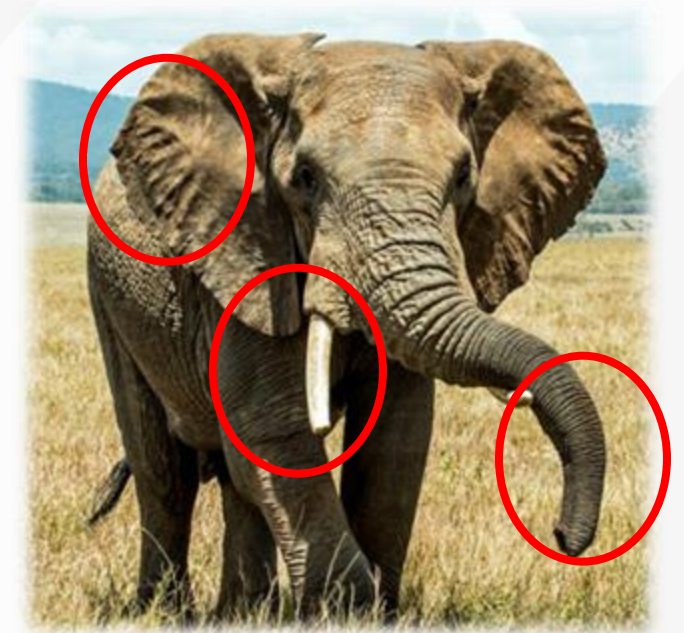


Objectives

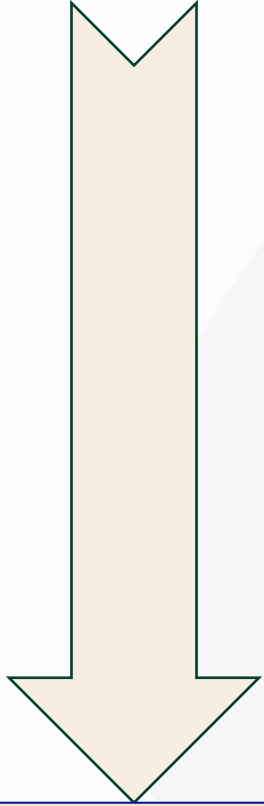
Learn about
Elephants



Name 3
characteristics of
elephants



Goal



Objectives



Counsel a patient about lifestyle interventions



Discuss lifestyle intervention to address HTN



Explain the role of nutrition in HTN management

Goals



Objectives

Explain the role of nutrition in HTN management



Identify 3 dietary recommendations you could make to a patient with HTN

DASH Eating Plan	
The Benefits: Lowers blood pressure & LDL "bad" cholesterol.	
Eat This	Limit This
Vegetables	Fatty meats
Fruits	Full-fat dairy
Whole grains	Sugar sweetened beverages
Fat-free or low-fat dairy	Sweets
Fish	Sodium intake
Poultry	
Beans	
Nuts & seeds	
Vegetable oils	

www.nhlbi.nih.gov/DASH



Goals



Objectives



Specific

S



Measurable

M



Accountable

A



Relevant

R

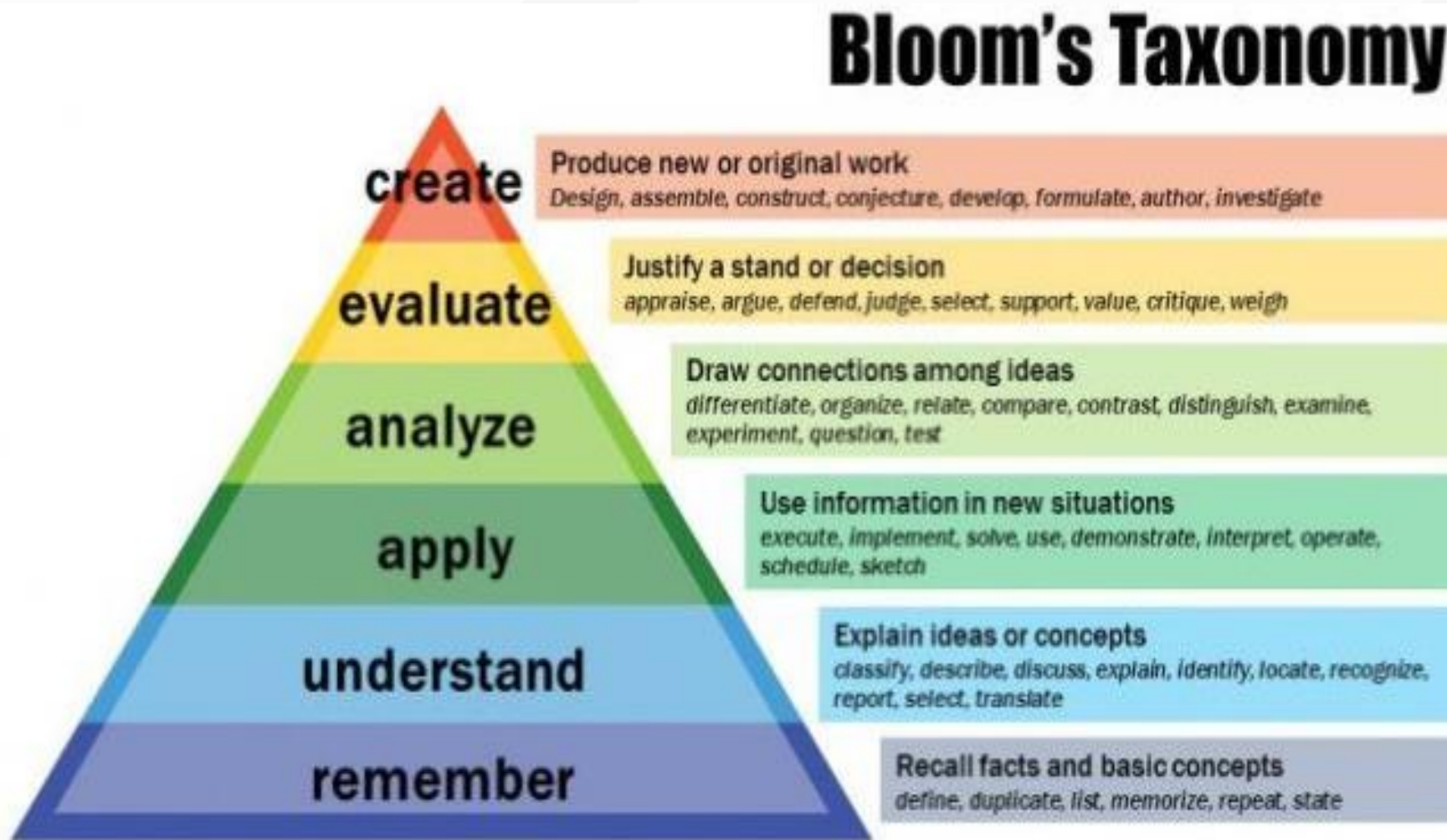


Time-Based

T

Group Demonstration: Checking Blood Pressure

Tips for Setting Objectives



- Needs assessment determines where you start on this pyramid
- Choose the level of learning
- Choose action verbs that are measurable and observable

Three types of objectives

Knowledge

Skills

Attitudes



If you want to be good at playing piano, you need:

Three types of Objectives



Happy Birthday

Arranged by Abby Knudsen



Knowledge

If you want to be good at playing music, you need:

Three types of Objectives



Skills

If you want to be good at playing music, you need:



Three types of Objectives



Attitude

Set Objectives: Assessing Patient SDOH

What are some possible

- **knowledge** objectives?
- **skill** objectives?
- **attitude** objectives?

Goals vs Objectives

Tendency to set goals instead of objectives:

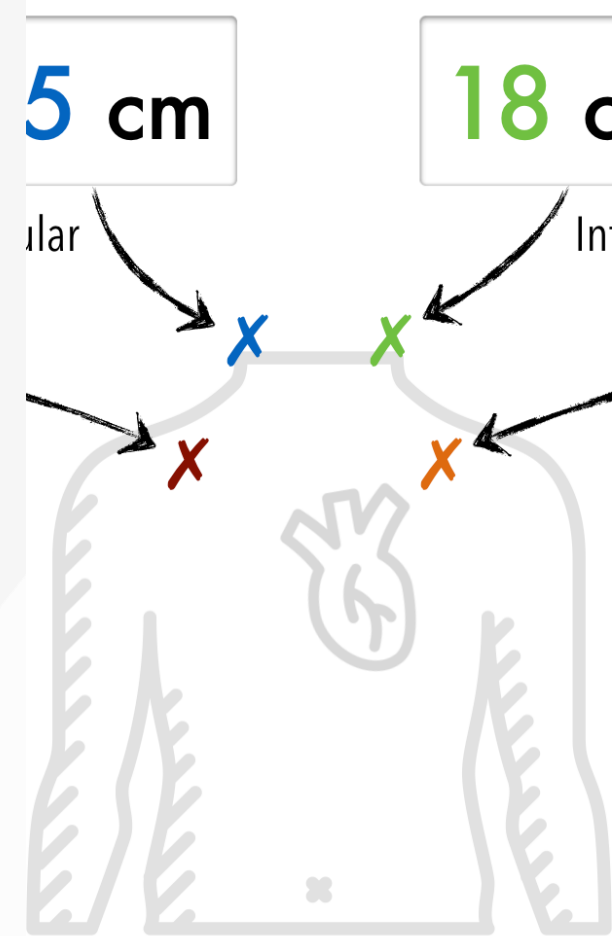
Perform a physical exam

Or medium objective:
Starting a central line

Use a **Task Analysis**:
Break the task down into component steps

To put in a central line, you need to:

- Get patient consent
- Prep and drape the patient
- Open the kit and understand the kit's content
- Identify appropriate anatomic landmarks
- Insert the needle, thread line and hook up IV



Insertion depth of central venous catheters—Is a formula required? A prospective study

**When have you experienced
learning goals being
presented as objectives?**

Objectives Based on Task Analysis

How narrow
do we need to
get? ►

Educational Goals
VS
Educational Objectives

Discuss **type 2 diabetes management** with this patient during this next patient encounter.



**Be practical:
Observe
student with
patient**

Educational Goals

VS

Educational Objectives



Meal Planning
Monitor Bld Glucose
Use of insulin or pills
Exercise



How narrow
do we need to
get? ►

Educational Goals



VS

Educational Objectives

Discuss **type 2 diabetes management** with this patient during this next patient encounter.



Educational Goals

VS

Educational Objectives

Be Practical ▶

Meal Planning

Monitor Bld Glucose

Use of insulin or pills

Exercise

Read about meal planning tonight.



If learner performs poorly, re-assess teaching strategy

Educational Goals

VS

Educational Objectives

Meal Planning

Monitor Bld Glucose

Use of insulin or pills

Exercise

Task Analysis

Objectives

- ☐ Label reading
- ☐ Low cholesterol/fat guidelines
- ☐ Fitting sugar into the plan
- ☐ Portion control
- ☐ Options when dining out

Prioritization

After the task analysis:

Needs Assessment

- What does this learner know, or need to know?

Prioritization

- What is most important?
- What are the time constraints?
- What is the most logical sequence for this task?

Objectives are specific, measurable, accountable, relevant, and time sensitive. (SMART)

Educational Goals

Meal Planning for a patient with diabetes

Objectives

- ☐ Label reading
- ☐ Low cholesterol/fat guidelines
- ☐ Fitting sugar into the plan
- ☐ Portion control
- ☐ Options when dining out

Objectives are specific, measurable, accountable, relevant and time sensitive (SMART)

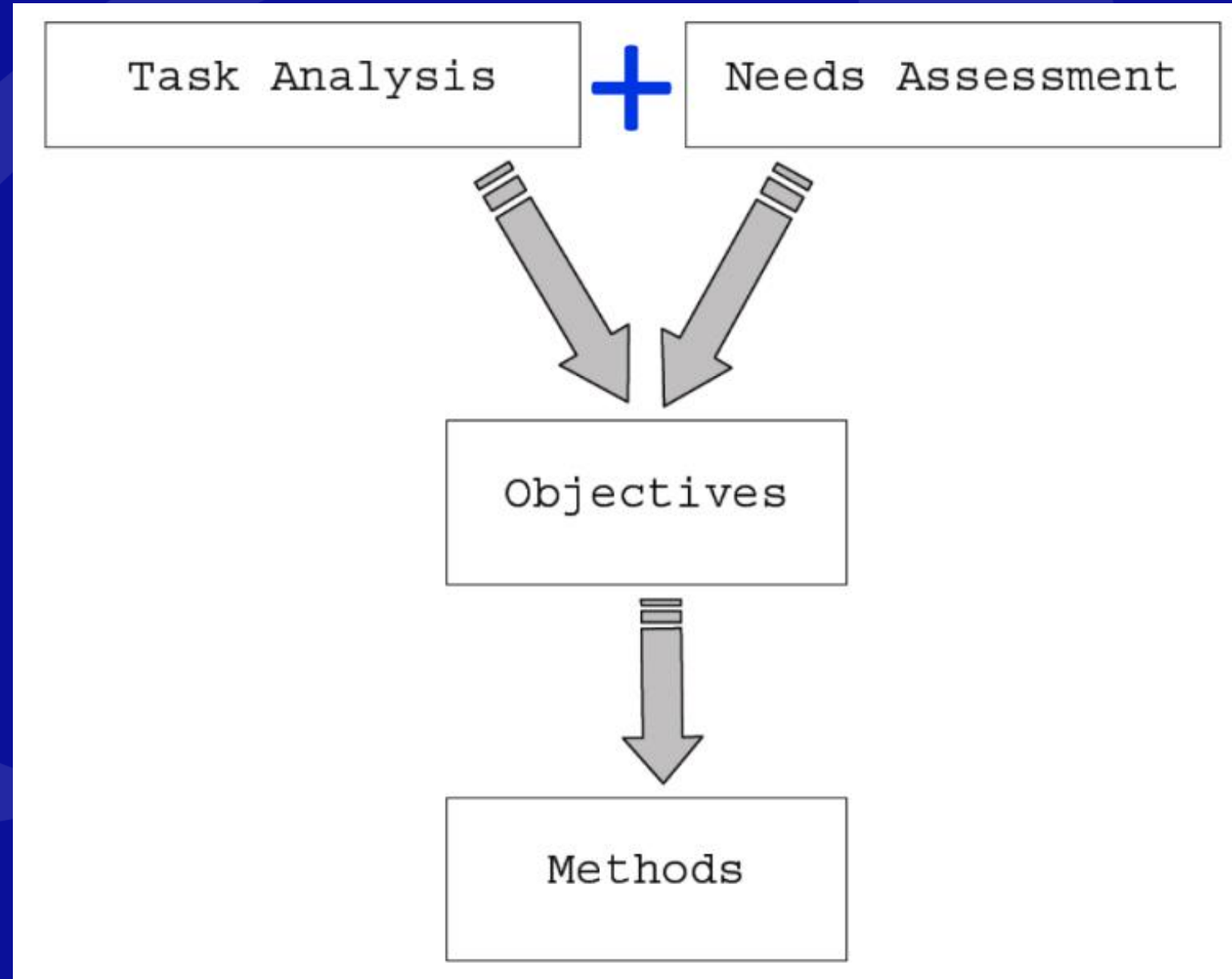
Objective

By tomorrow
the learner will be able to
discuss the following ●
with a patient as I observe

Meal Planning Task

- ☐ Label reading
- ☐ Low cholesterol/fat guidelines
- ☐ Fitting sugar into the plan
- ☐ Portion control
- ☐ Options when dining out

Summary



Group Practice Objectives

During the **small group practice** learners will be able to:

Formulate educational objectives that are:

1. Based on a needs assessment outcomes from first breakout
2. Write/set objectives using the "task analysis"
3. Relevant to the domains of knowledge, skills, and attitude
4. Prioritized based on learner needs and experience