

# 5 Ways to Improve Small Group Teaching

November 20<sup>th</sup> 2013

**Presenters:**

Jimmy Beck MD

Jennifer Chapman MD

Michael Ortiz MD

Lamia Soghier MD

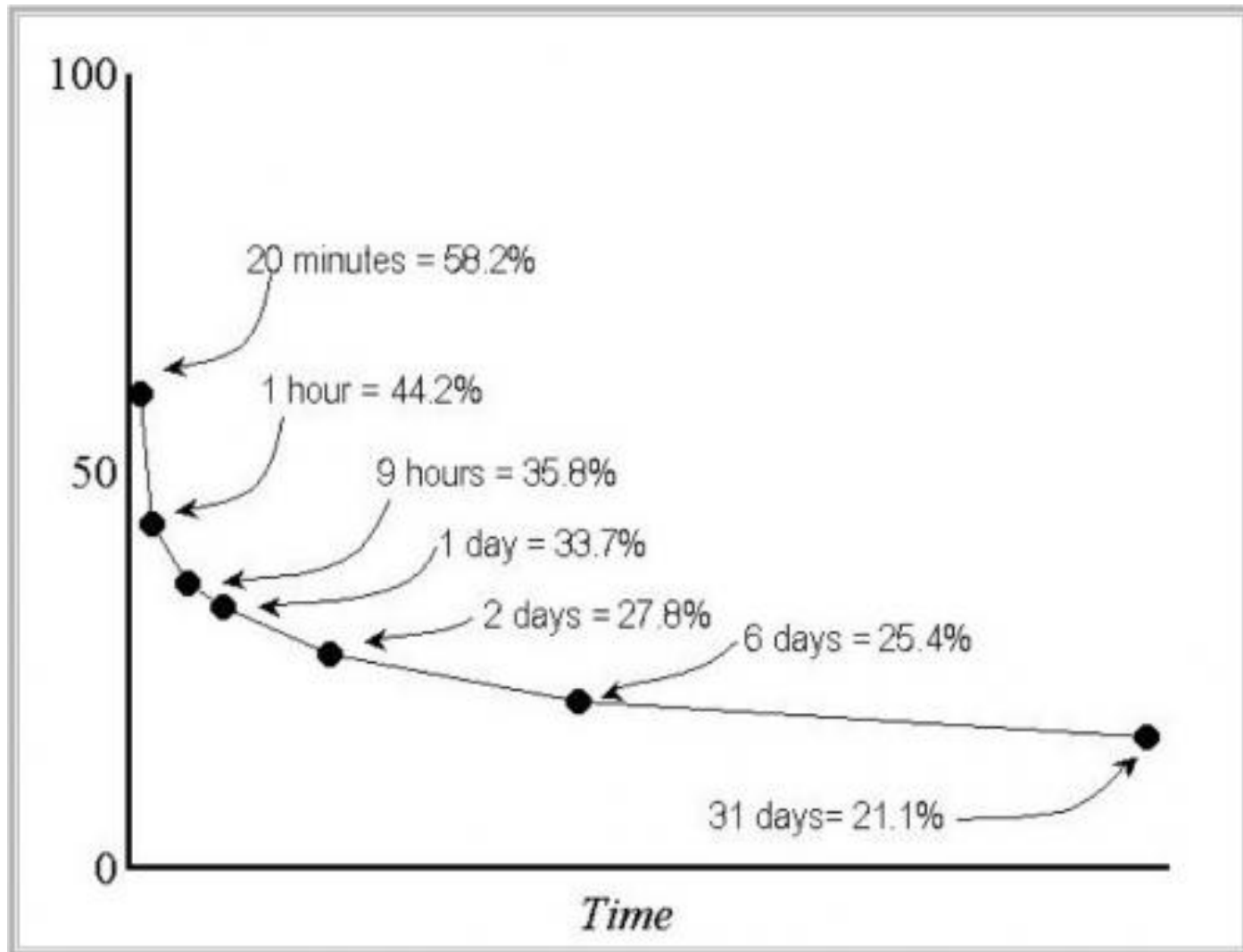
# Please sit in small groups

## Learning Objectives:

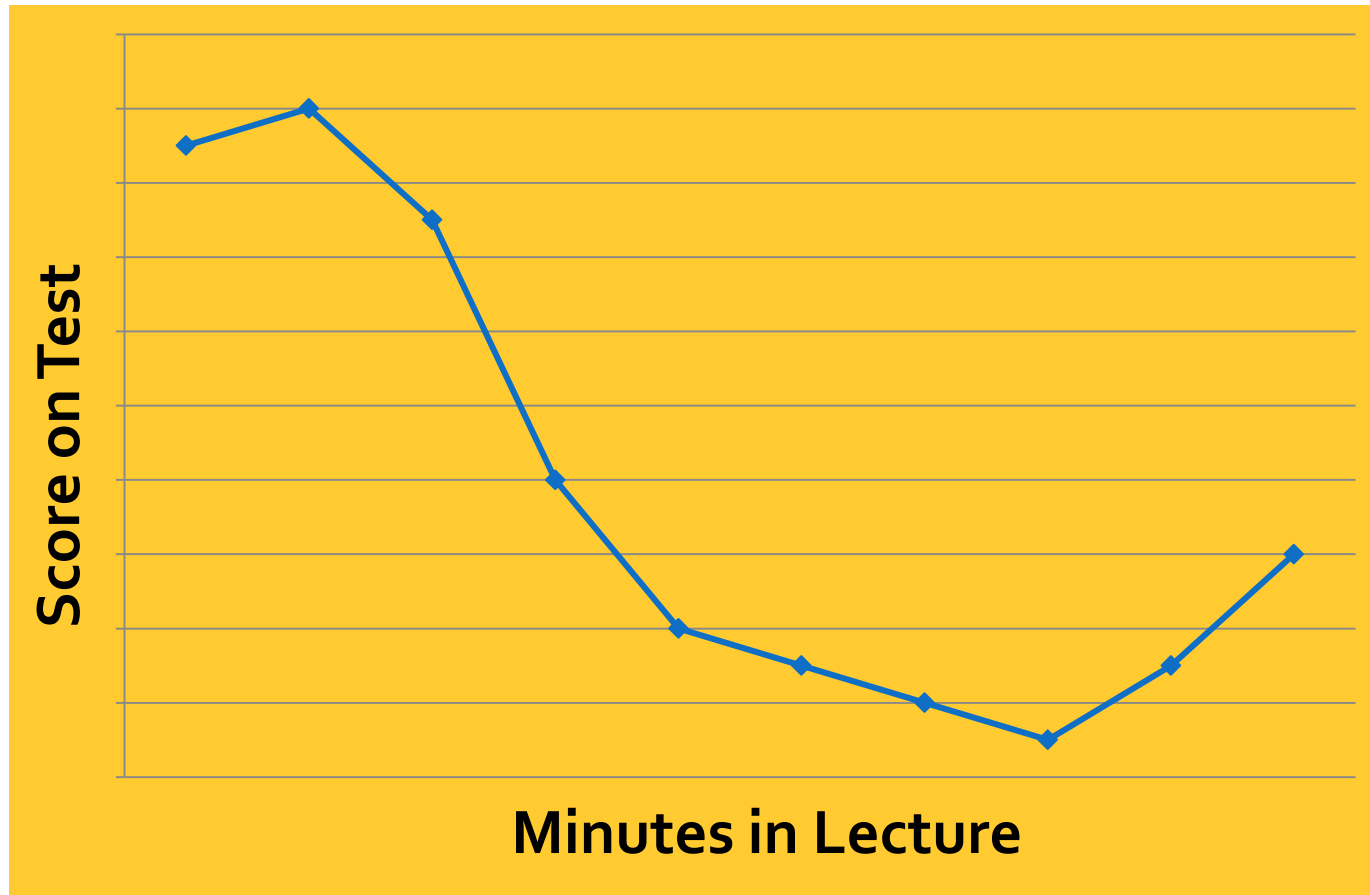
1. Formulate measurable and realistic learning objectives
2. Develop a small group instructional session that incorporates effective teaching strategies



# Ebbinghaus "Forgetting Curve"

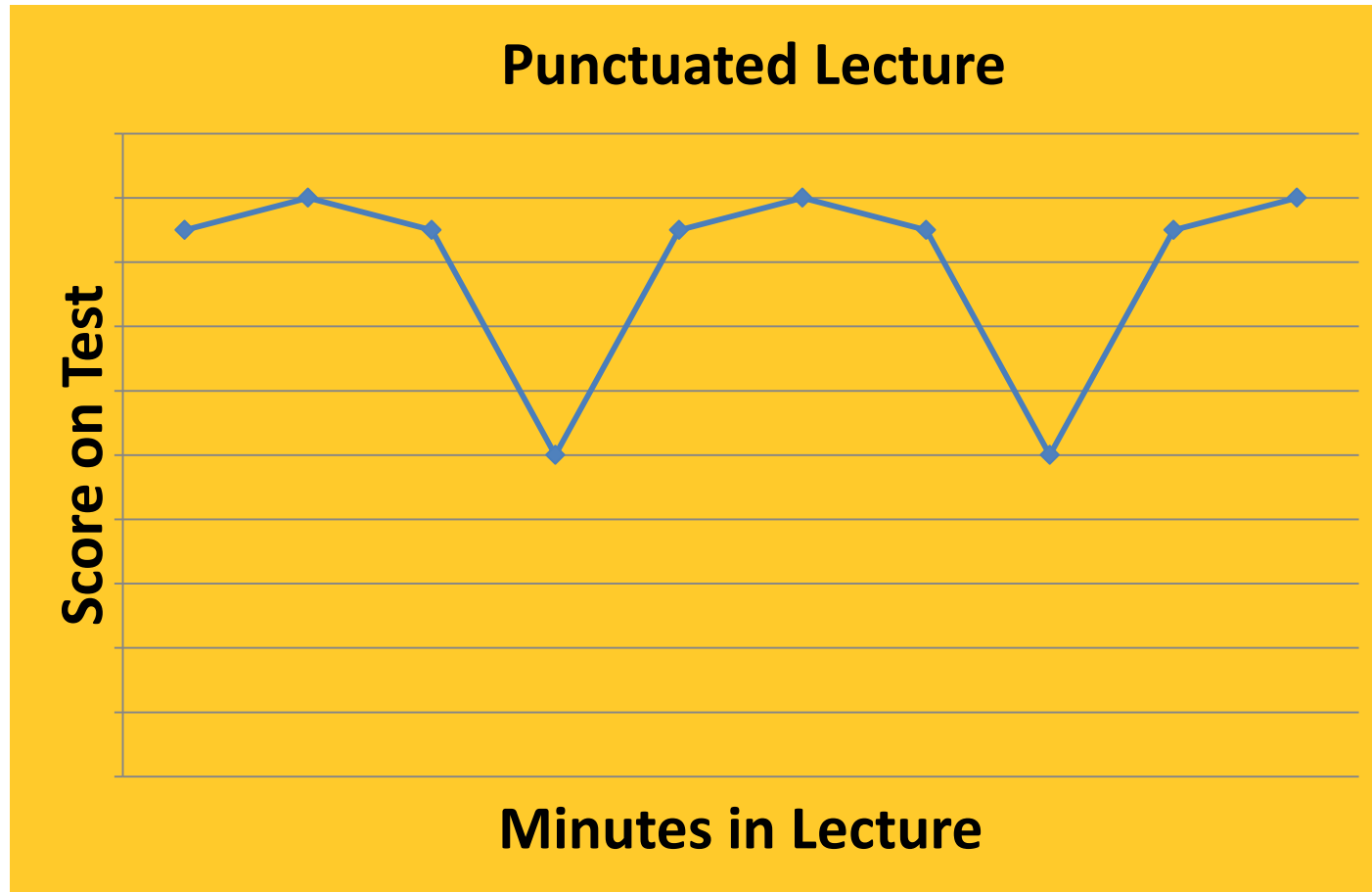


# Recall of facts presented during lecture



Ruhl, K. L., Hughes, C. A., & Schloss, P. J. Using the pause procedure to enhance lecture recall. *Teacher Education and Special Education*, 10, 14-18. 1987

# Use of Active Learning Strategies?



Ruhl, K. L., Hughes, C. A., & Schloss, P. J. Using the pause procedure to enhance lecture recall. *Teacher Education and Special Education*, 10, 14-18. 1987

# Step 1

## Develop SMART Learning Objectives

# GOAL SETTING

S

SPECIFIC

M

MEASURABLE

A

ATTAINABLE

R

RELEVANT

T

TIME-BOUND



Children's National™

## Interface of Learning Objectives and Teaching Strategies

11/1/2010

- case studies
- projects
- exercises
- critiques
- simulations
- appraisals

### ***Teaching Strategies Related to Learning Objectives***

## EVALUATION

appraise
assess
choose

## SYNTHESIS

arrange	
collect	
compose	

construct
create
design
formulate

organize
manage
plan
prepare
propose
set up

## ANALYSIS

analyze
calculate
compare

contrast
criticize
debate
diagram
differentiate
distinguish
experiment
inspect

inventory
question
relate
test

## APPLICATION

apply	
demonstrate	
dramatize	

employ
illustrate
interpret
operate
practice
perform
schedule
shop
sketch
use

questions  
discussion

review
test
assessment
reports

learner  
presentations  
writing

## COMPREHENSION

describe
discuss
explain
express
identify
recognize
restate
translate

- lecture
- visuals
- video
- audio

examples  
illustrations  
analogies

## KNOWLEDGE

define
list
record
repeat

### Cognitive Processing Dimension

## Learning Objectives

Adapted from: Bloom, B.S. (Ed.), Engelhart, M.D., Furst, E.J., Hill, W.H., & Krathwohl, D.R. (1956). *Taxonomy of educational objectives: The classification of educational goals. Handbook 1: Cognitive domain*. New York: David McKay.

Ellen F. Goldman, EdD 11-1-2010

# Careers in Pediatric Endocrinology

Objectives: At the end of the session, participants should be able to:

- Understand the advantages and disadvantages of careers in academia
- Understand the advantages and disadvantages of careers in private practice
- Understand the advantages and disadvantages of careers in industry



# Careers in Pediatric Endocrinology

Objectives: At the end of the session, participants should be able to:

- Describe the differences between careers in academic, private practice and industry
- Evaluate how these choices could influence individual career goals

# Turning your QI project into Publishable Research

Objectives: At the end of the session, participants should be able to:

- Describe important features of a competitive QI paper for peer reviewed publication which include rigorous QI methods
- Practice identifying rigorous methods, selecting a target journal, and outlining a paper for a sample QI project
- Identify study methods, select a target journal and outline a paper for their own QI project



# Turning your QI project into Publishable Research

Objectives: At the end of the session, participants should be able to:

- Describe important features of a QI paper that would be accepted in a peer reviewed publication
- Create an outline of a paper for your own QI project

## Step 2

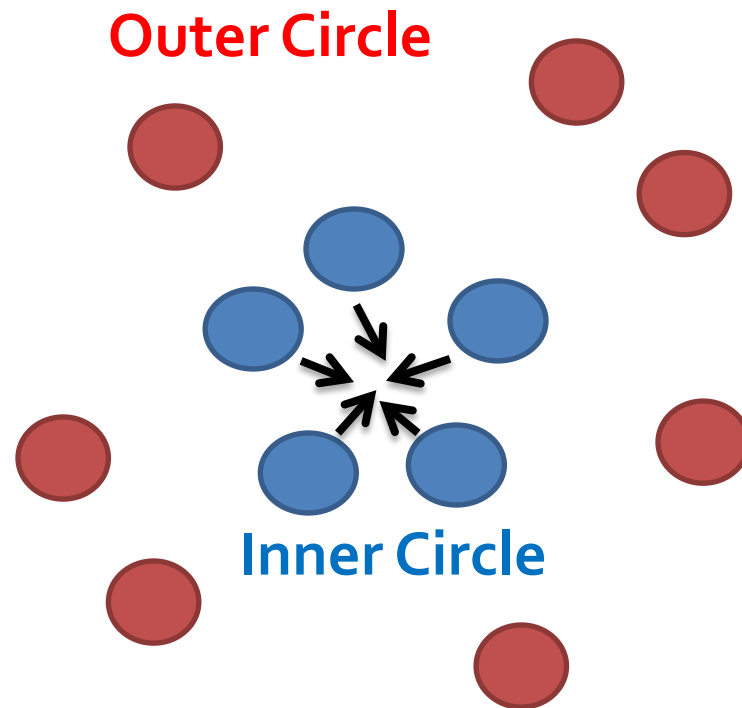
**Pick a strategy**

# Morning Report



**Think-Pair-Share**

# Simulations



# Bedside Teaching

## Defining Features Matrix

HSV Encephalitis		
Feature	Supports dx	Refutes dx
Fever	X	
Clear rhinorrhea		X
Rash	X	

## Comparison Groups

Disease	HSV Encephalitis	GBS Meningitis
Fever	X	X
Clear rhinorrhea		
Rash	X	

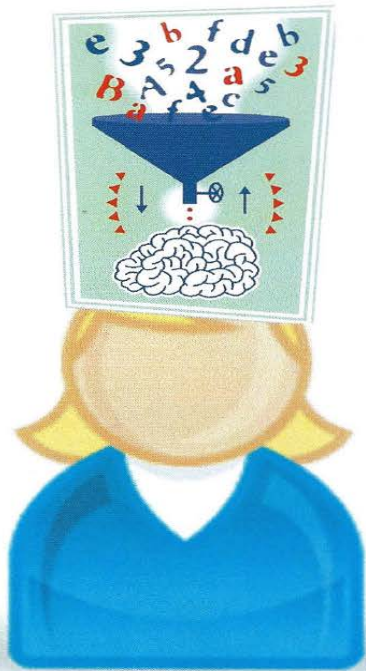
# Step 3

## Help the learners shine

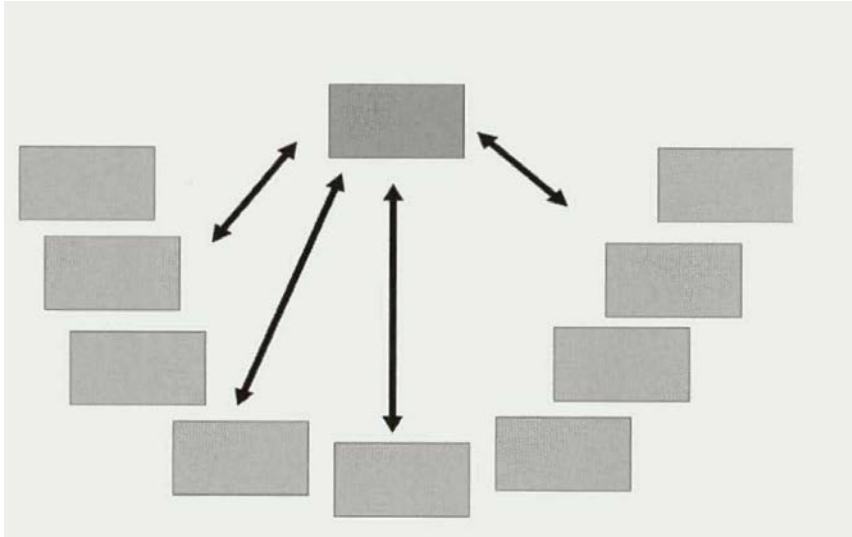
# Our Teaching Challenge

**from Fill the Vessel**

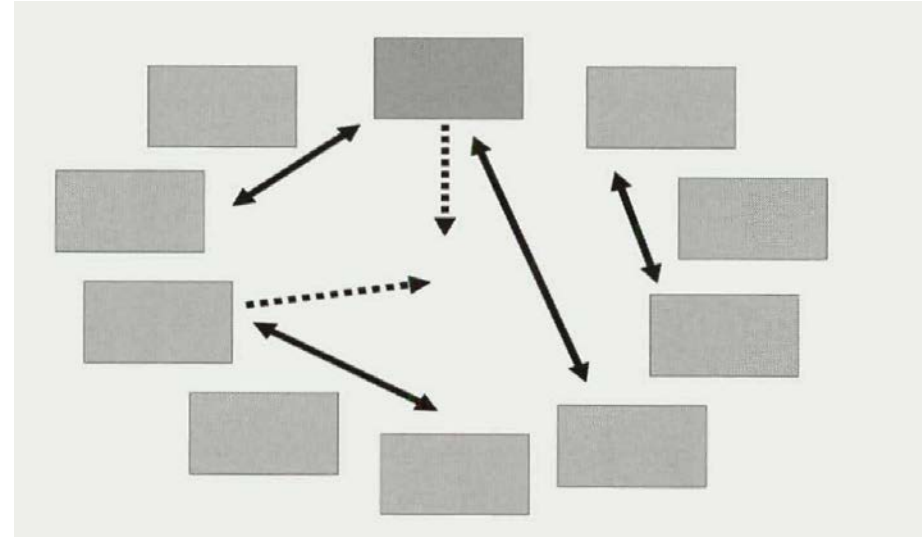
**to Help the Garden Grow**



# Effective facilitators ensure small group interaction



**Teacher Centered**



**Student Centered**

# Step 4

## Check In

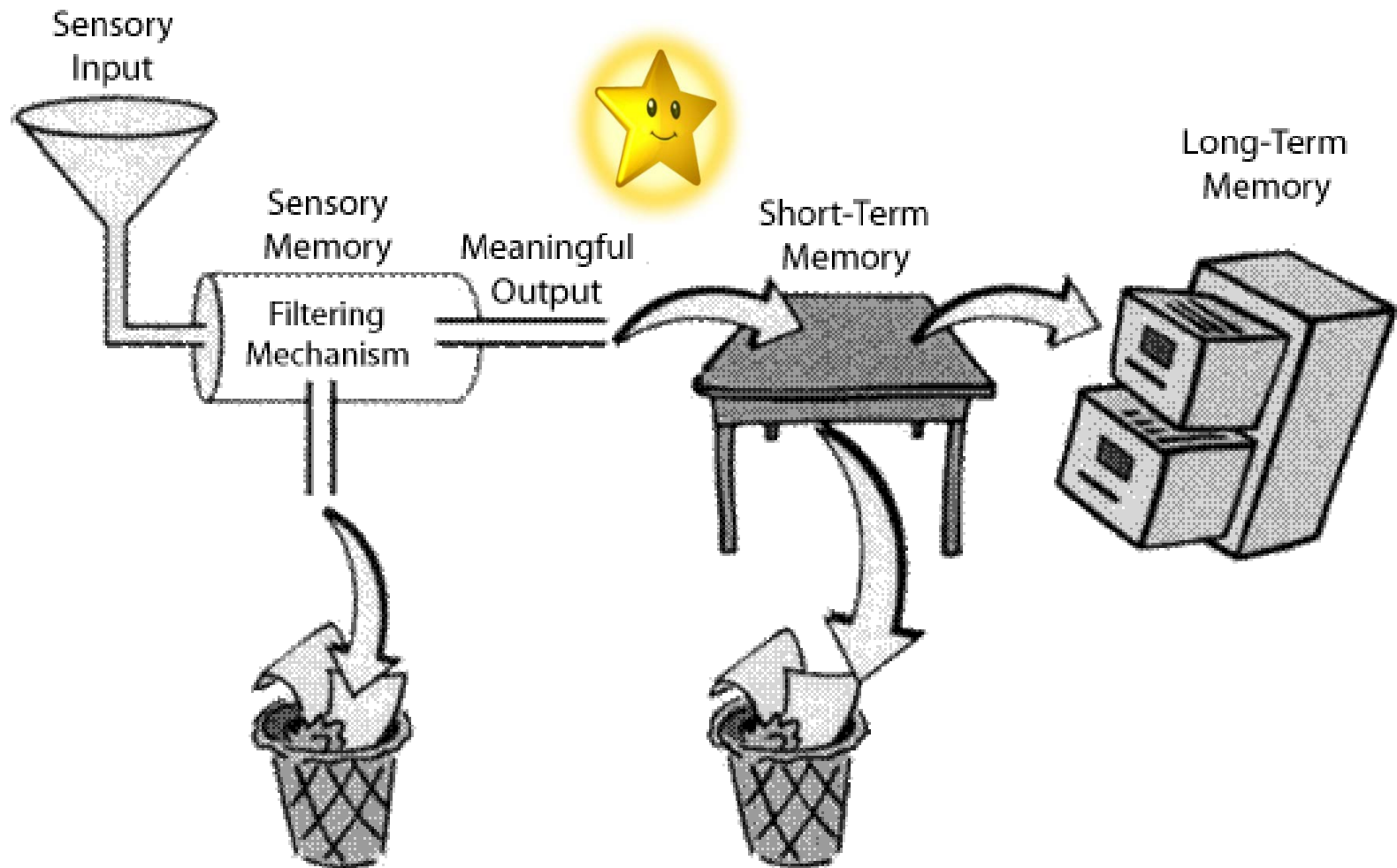
# Check In: Muddiest Point



# Step 5

## Lock it In

# Lock it In



# 5 Ways to Improve Small Group Teaching

**Step 1:** Develop SMART Learning Objectives

**Step 2:** Pick a strategy

**Step 3:** Help the learners shine

**Step 4:** Check in

**Step 5:** Lock it in