

CONE OF LEARNING (EDGAR DALE)

Nature of Involment

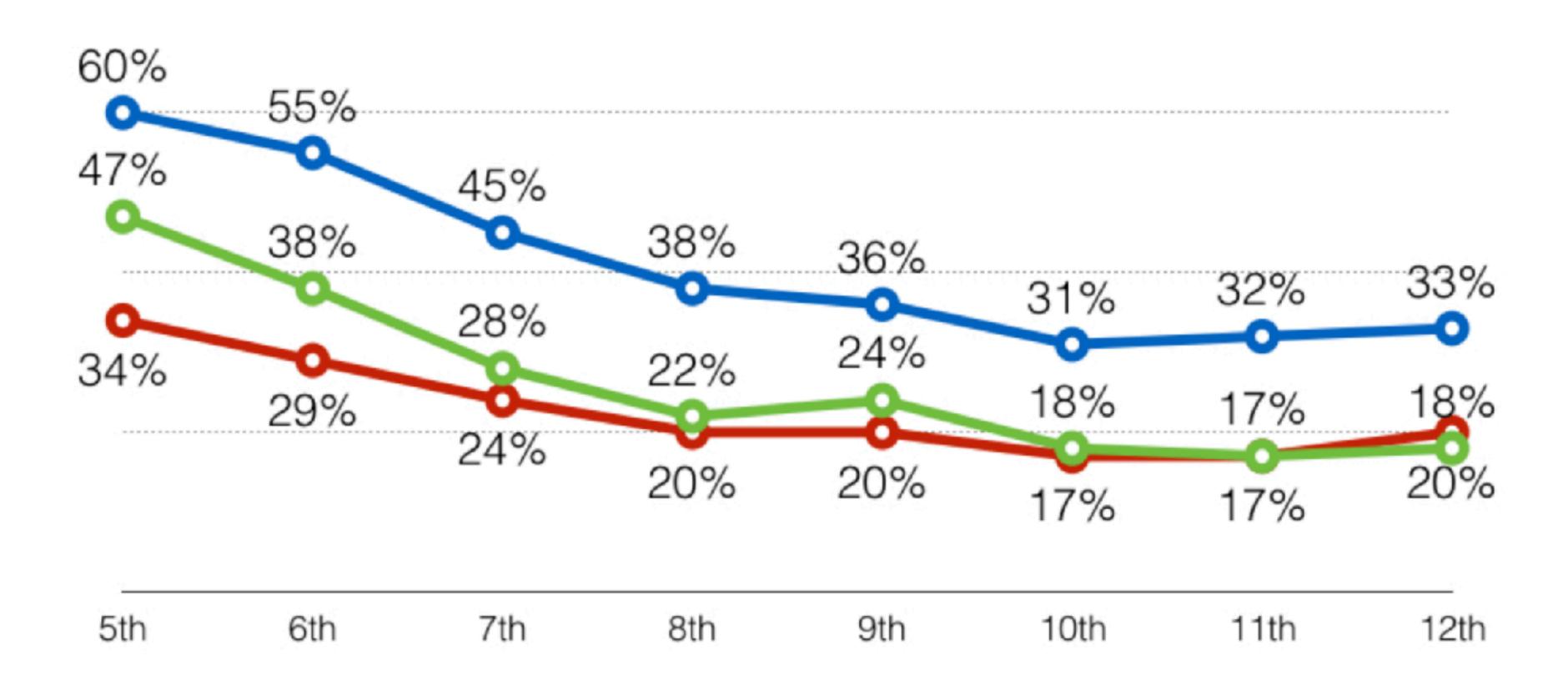
	Nature of Involment			
Reading	Verbal Receiving			1
learing Words			KD	
oking at Pictures		P		
atching a movie king at an Exhibit ing a Demonstration it Done on Location		PASSIVE		
bating in a discussion Giving a Talk	Receiving/ Participating	A		
Dramatic Presentatic og the Real Experienc ng the Real Thing		ACTIVE		



Percentage of Students Who Strongly Agree, By Grade (n = 928, 888)

- I have fun at school

At this school, I get to do what I do best every day



In the last 7 days, I have learned something interesting at school

Gallup. (2016). Gallup student poll. Engaged today - Ready for tomorrow. Fall 2015 survey results. Washington, DC: Author.





BENG

SEMO



Blah, Dlan.



FORTRESS OF LEARNIN



CONE OF LEARNING (EDGAR DALE)

After 2 Weeks we tend to remember

10% of what we READ

20% of what we HEAR

30% of what we SEE

50% of what we HEAR & SEE

70% of what we SAY

90% of what we SAY & DO

Wa Lool Watchin Seeing i

Particip

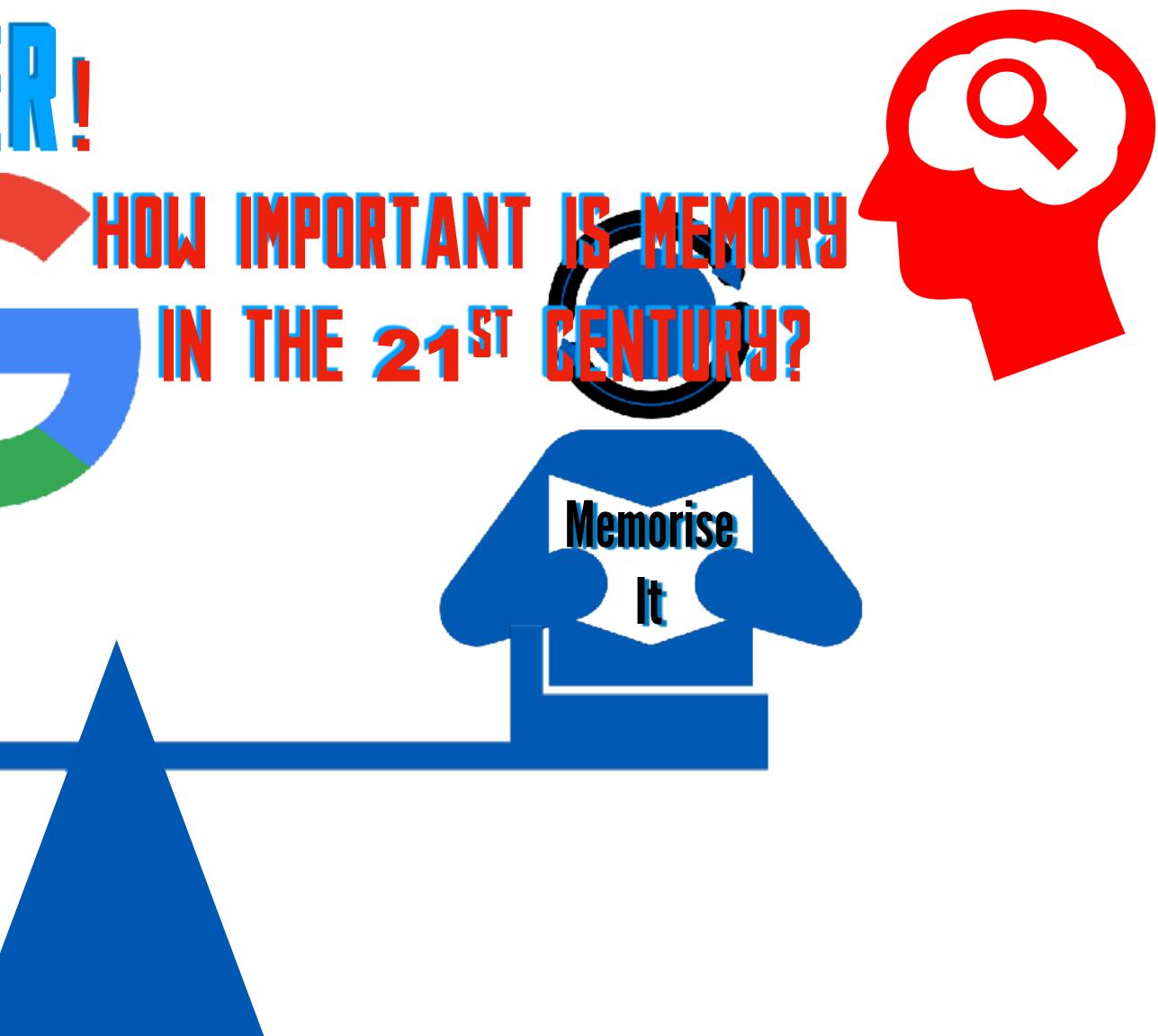
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Nature of Involment

Reading	Verbal Receiving	
Hearing Words		
Looking at Pictures		P
Watching a movie Looking at an Exhibit tching a Demonstration ing it Done on Location	Visual Receiving	PASSIVE
ticipating in a discussion Giving a Talk	Receiving/ Participating	A
g a Dramatic Presentation ating the Real Experience Doing the Real Thing	Doing	ACTIVE

A QUESTION TO PONDER!

Google™lt!



A QUESTION TO PONDER

Oosle Miti





Memorise '

Memory is the residue of thinking!

NO THINKING = NO LEARNING



Today's technology provides easy access to answers, but if we focus only on the answers and not thinking, questioning and solving, we rob students (and ourselves) of great learning experiences.

I WONDER













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Summative assessment

some standard or benchmark

Method for the retrieval of memory



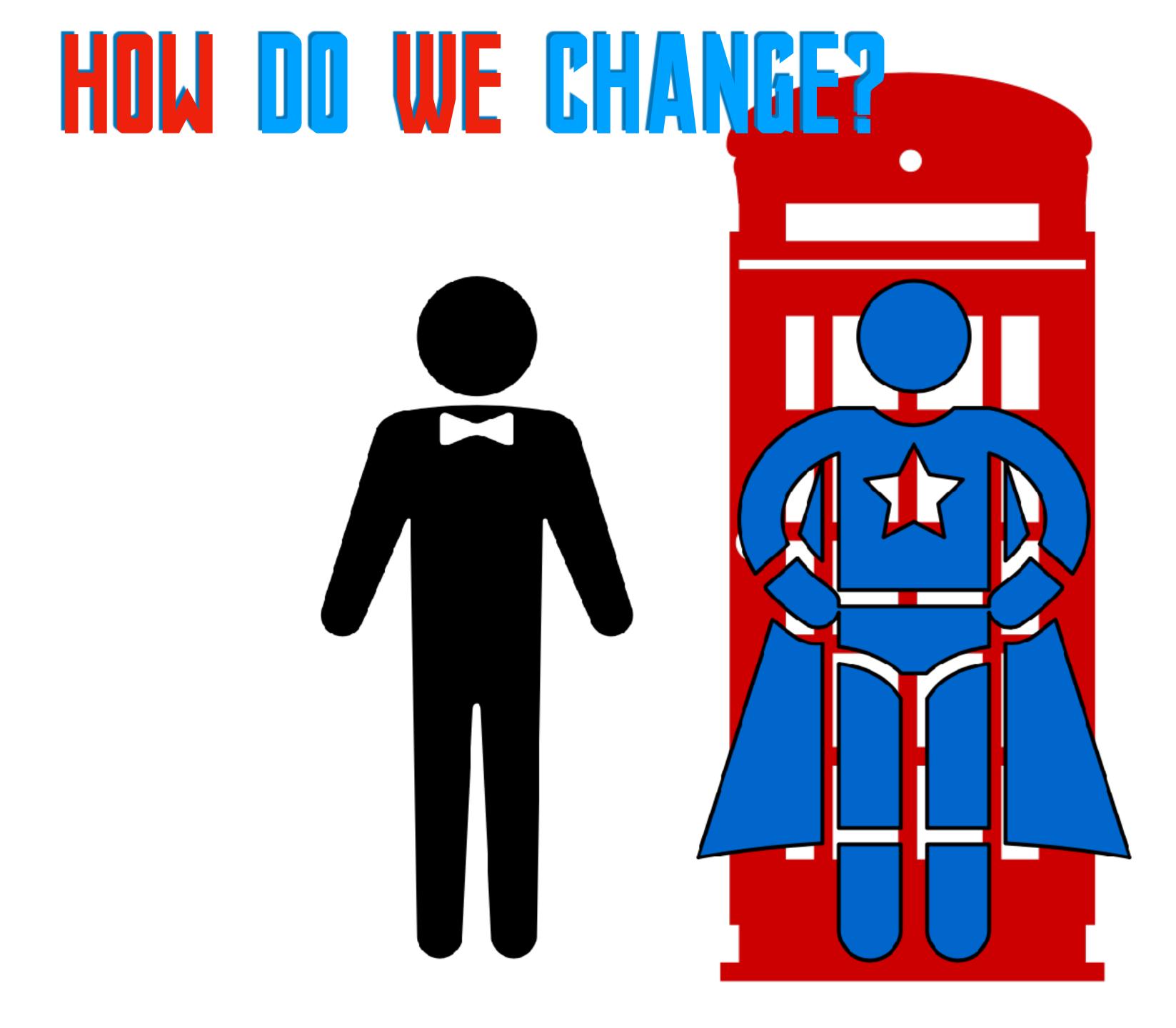


Evaluate student learning at the end of an instructional unit by comparing it against

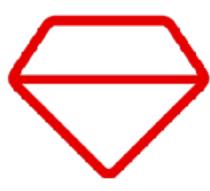


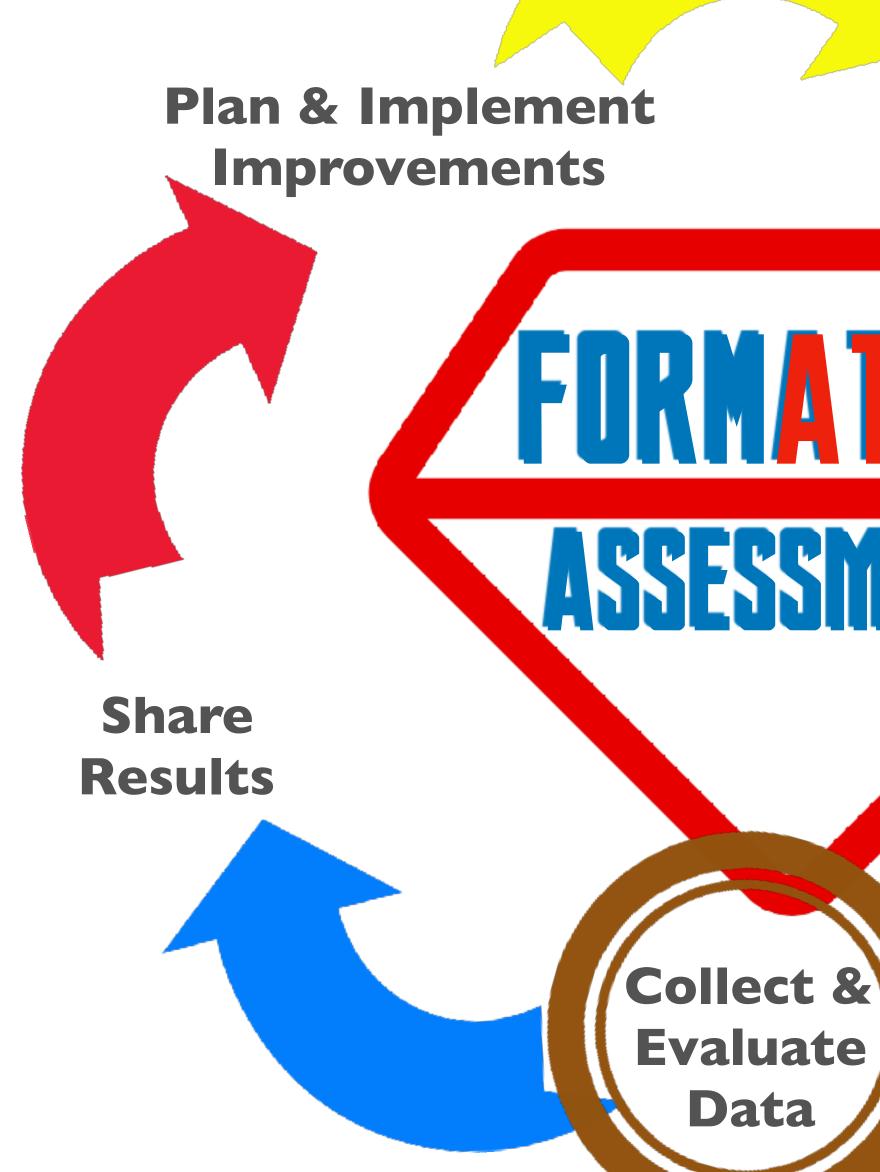












Determine Goals & Objectives

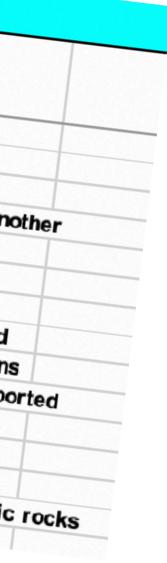
Develop Assessment Instruments

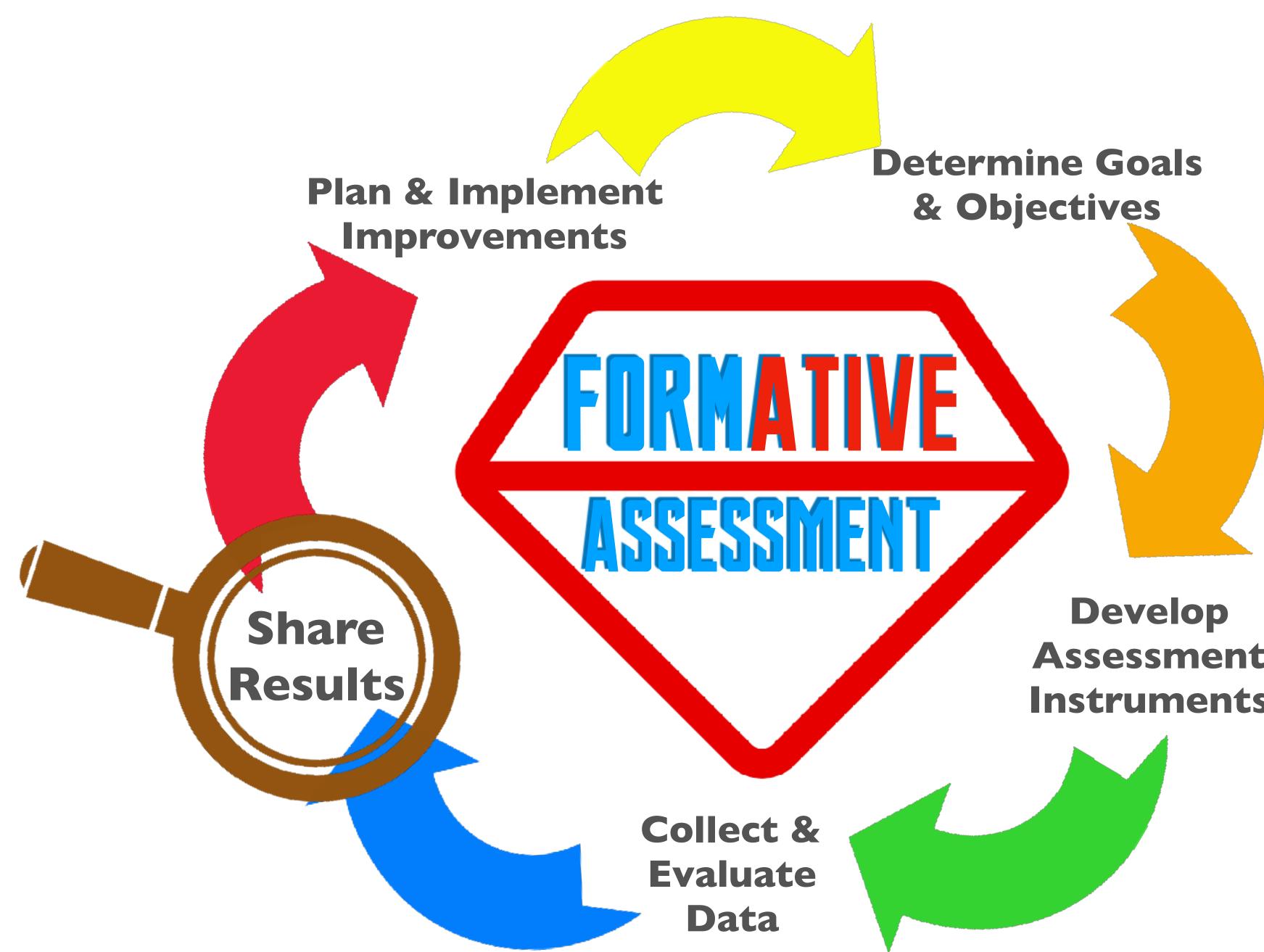
Collect & Evaluate Data

		essment Record Shee	t		ſerm:	1		
	Class Asse	essment treat						
	oct: Science							
Subje	0				N	N	N	Na
				N a m	am	am	a m e	m
O Keyta	Assessment: le or no grasp of the cond cipaing to have understa	cept nding		e	e	e 3	4	
d 2 Be	le or no grasp of the con- ginning to have understa easonable grasp			1	2	3		L
4 F	rm grasp							
1.05	arning Objectives							T
1 Rec	all the three states of matter	- les						
Ex	plain what evidence is and ide	ntify some examples						
3 E	cplain what the particle theory	from one place to a	nother					
4	escribe how smells and colou	rs move from one g			-+			
	Explain what causes gas pres							
6	Explain and describe the tex							
	Recall the characteristics of	f some rocks						
7	Neuran and	en rocks are chemically wea	thered					-
в	Describe what happens with	entring	happens					
	Recall the conditions unde	er which physical weathering				+	+	T
9	- Notaria	o pieces of rock when they a	are transported					+
	Landons L	u prese						

and departing the texture of some metamorphic rocks

B	vg	
¹ Subject:	Science	
Level of	Science	
2 Understanding -	Level of Understanding -	
3 teacher	student Objective	
4 5		
6	Recall the three states of matter	
7	Explain whether is and identity	
8	Describe how smells and colours move from one place Explain what causes gas pressure Explain and describe the texture of	
9 10	Explain what causes gas pressure move from one place	
10		
12	Recall the characteristics of some rocks Recall the characteristics of some rocks Describe what happens when rock	
13	Recall the conditions under rocks are chemically	
14	Describe what happens when rocks are chemically weat Recall the conditions under which physical weathering h Describe what happens to pieces of rock when they are the Explain how sedimentary rocks are formed Explain why sediments sometimes (hered
15	Explain why	appens
17	Explain why sedimentary rocks are formed Describe how igneous rocks are formed Recall the names and describe #	ranspor
	Recall the names and d	
	Explain what scientific theory is	
	Recall the names and describe the texture of some metam Explain what scientific theory is	orphic





Assessment Instruments



DF POUER RATIVE CULTURE OF LEARNING GOALS ACK MRTIME CEESSMENT SSMFNT







"WHEN TEACHERS DO FORMATIVE ASSESSMENT EFFECTIVELY, STUDENTS LEARN AT ROUGHLY DOUBLE THE PATE THAN THEY DO WITHOUT IT."

DYLAN WILLIAM















How We Learn and How Much We Remember

Participa Simula Teach

"I see and I forget. I hear and I remember. I do and I understand." – *Confucius*

LISUR

