

Shelley MOORE PH.D.



@tweetsomemoore



@fivemooreminutes



@fivemooreminutes



www.fivemooreminutes.com

www.blogsomemoore.com

What grade level curriculum are we using?
What are the learning standards?

CURRICULUM & ASSESSMENT DESIGN

Student choice of challenge
Adjustable Curriculum

Students

Who are the pilots?
What are their dimensions?
Where is their agency?

Student choice of evidence
Adjustable Assessment

NEEDS BASED DESIGN

What are the student needs?
What barriers are getting in the way?
What do student require to navigate
needs & barriers?

Adjustable Supports & Strategies
Student choice of tools and actions

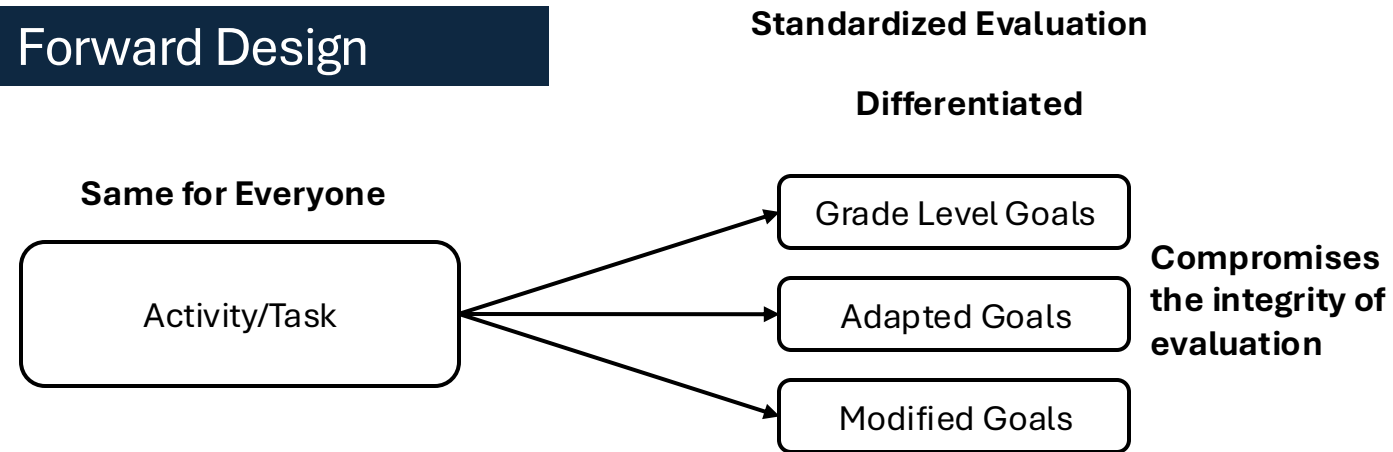
INSTRUCTIONAL DESIGN

How will students show growth
within the learning standard?
How do we know?

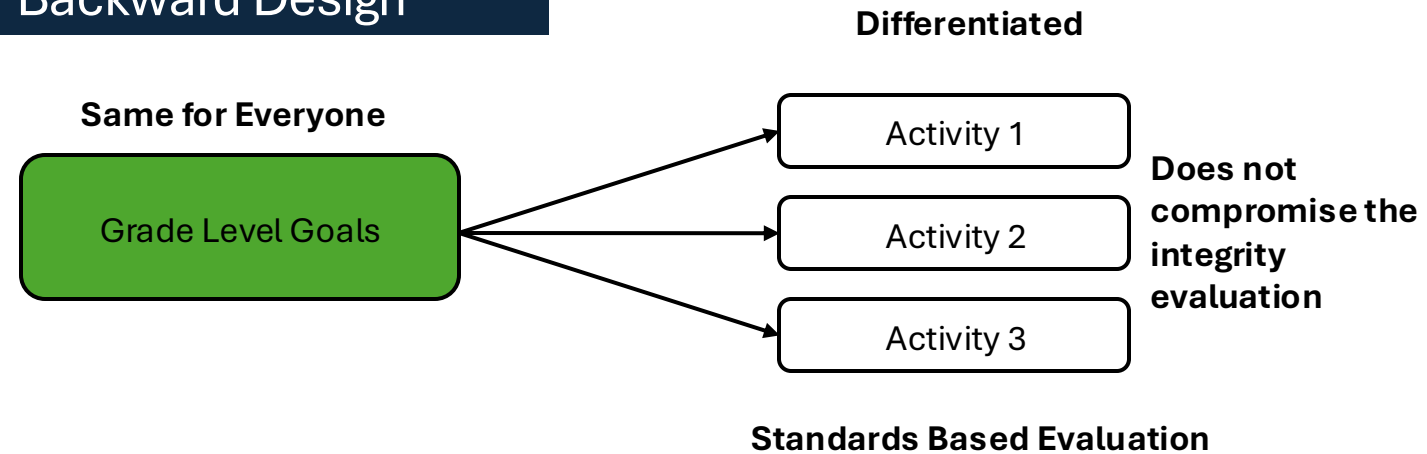
Shelley
MOORE PH.D.

2023

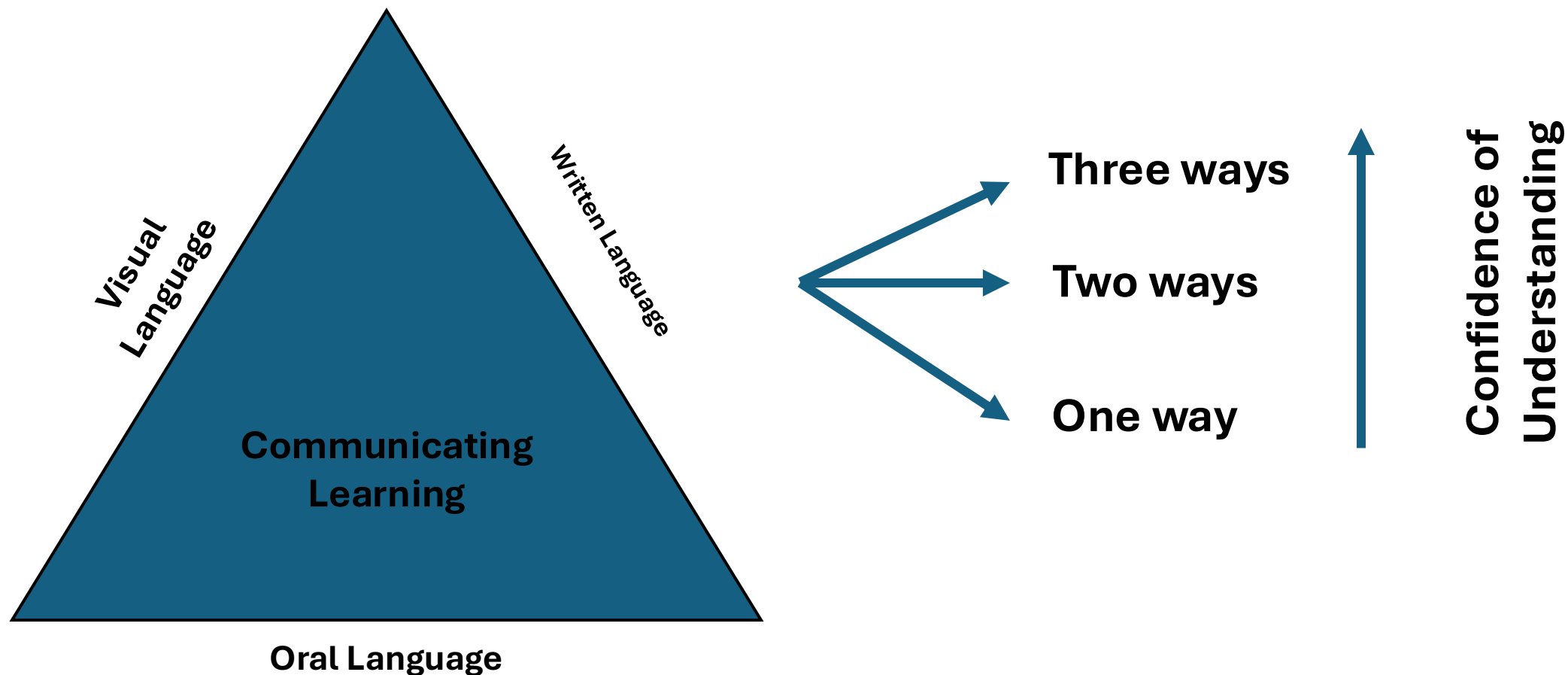
Forward Design



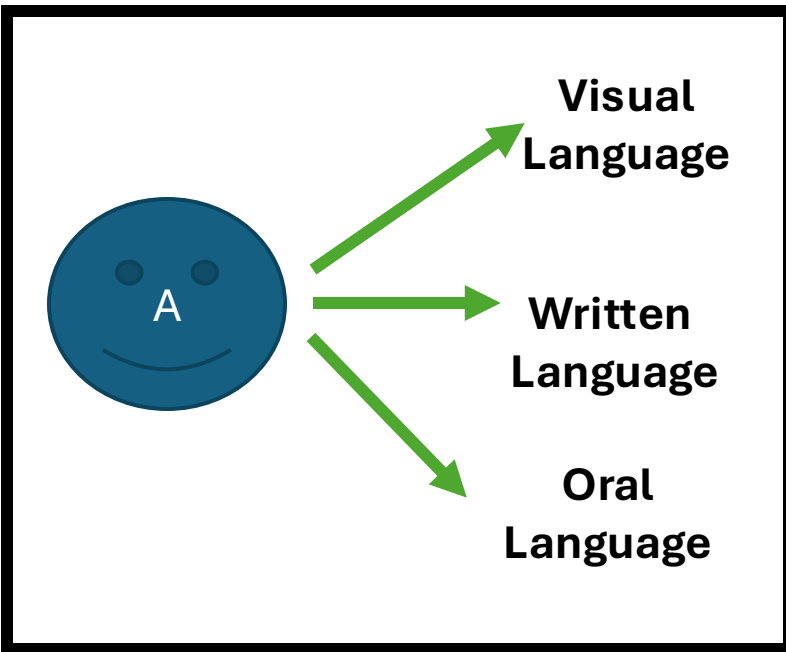
Backward Design



How do student show what they know?



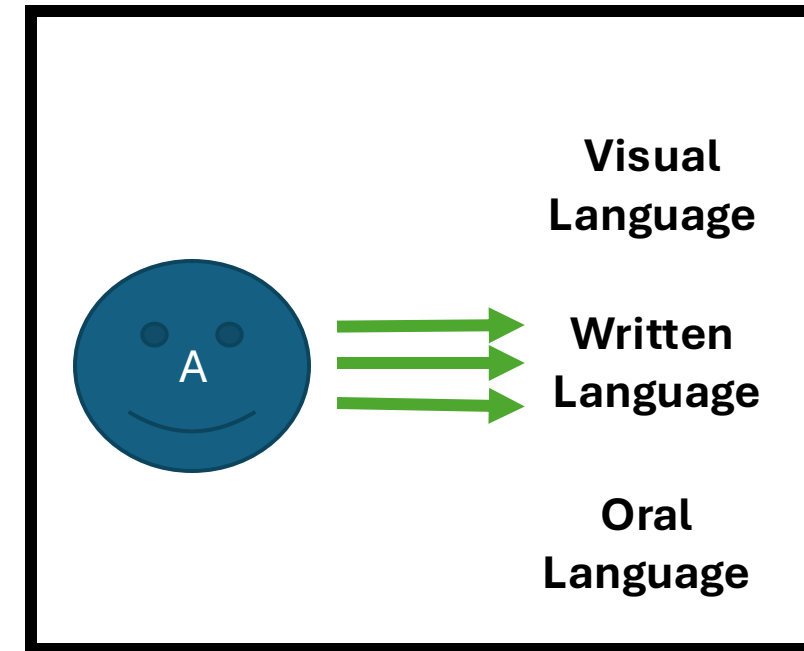
All Languages (in literacy) are Treated Equal!



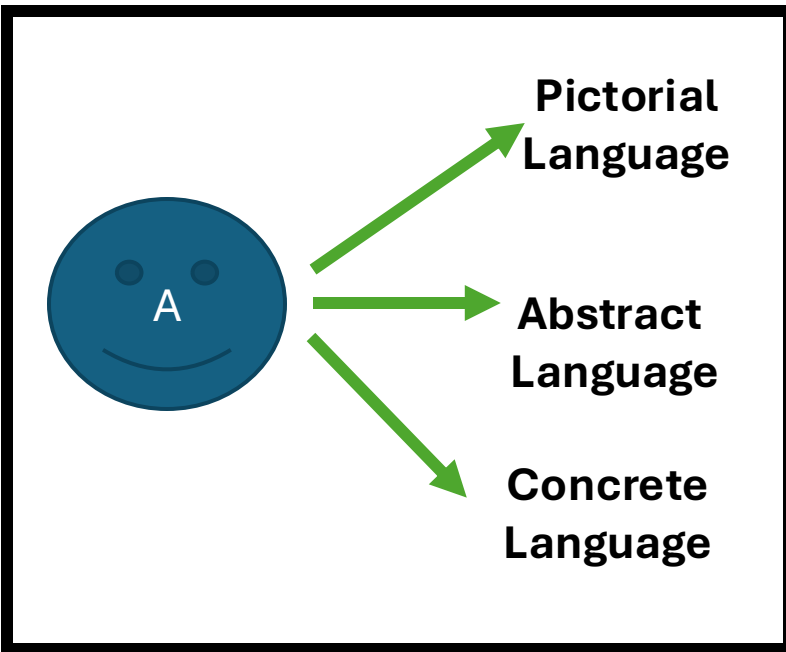
The **MORE WAYS** students can demonstrate learning, the deeper their understanding is

Vs.

The **NUMBER OF TIMES**, a student can show their learning in one way, the more fluent they become



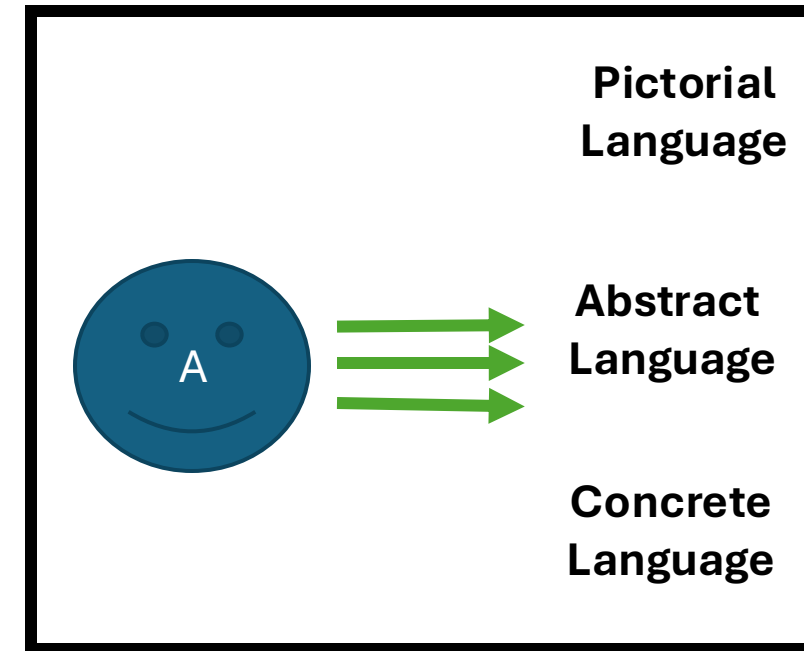
All Languages (in numeracy) are Treated Equal!



The **MORE WAYS** students can demonstrate learning, the deeper their understanding is

Vs.

The **NUMBER OF TIMES**, a student can show their learning in one way, the more fluent they become



The **grade level learning goals**
are the same for everyone



Math (K) Content

- Students know direct comparison measurement

ELA Content

- Students know language features, structures, and conventions including:
 - concepts of print
 - letter knowledge
 - letter formation
 - the relationship between reading, writing and oral language

Math (K) Curricular Competency

- I can estimate
- I can solve math problems by visualizing
- I can show my thinking in math by using symbols, pictures and objects
- I can connect what I am learning to interesting things in my life and the world

ELA (K) Curricular Competency

- I can understand different kinds of text by exploring it

Learning
Activities and Tasks

Differentiation of Evidence

Viewing and
showing

Listening and
speaking

Writing and
decoding

The **grade level learning goals**
are the same for everyone



Math (K) Content

- Students know direct comparison measurement

ELA Content

- Students know language features, structures, and conventions including:
 - concepts of print
 - letter knowledge
 - letter formation
 - the relationship between reading, writing and oral language

Math (K) Curricular Competency

- I can estimate
- I can solve math problems by visualizing
- I can show my thinking in math by using symbols, pictures and objects
- I can connect what I am learning to interesting things in my life and the world

ELA (K) Curricular Competency

- I can understand different kinds of text by exploring it

Learning Activities and Tasks

Anchor Text: Can You See Me?

- **Activity:** Can you see me?
- **Activity:** Measurement O Rama
- **Activity:** What kind of box?

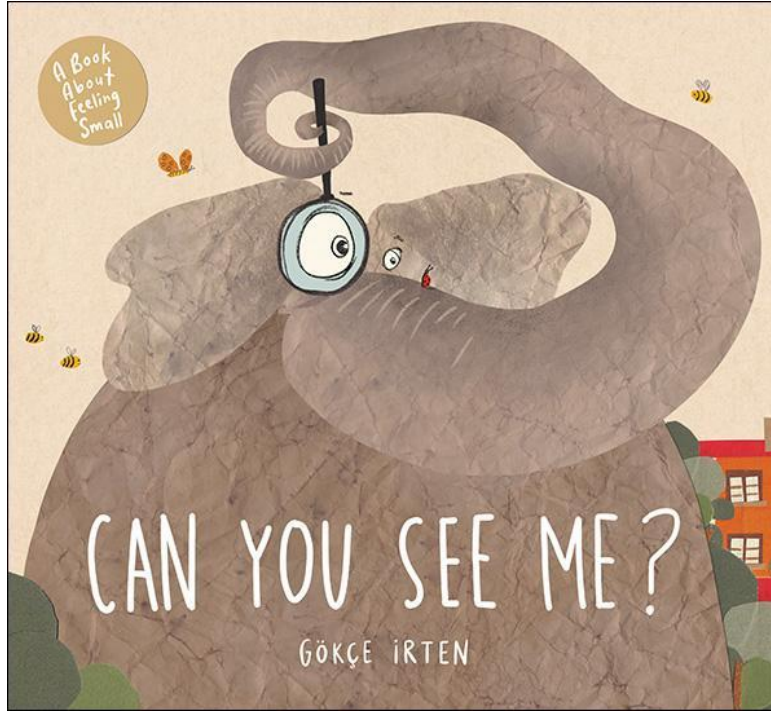
Differentiation of Evidence

viewing and
showing

Listening and
speaking

writing and
decoding





Project: Can you see me?

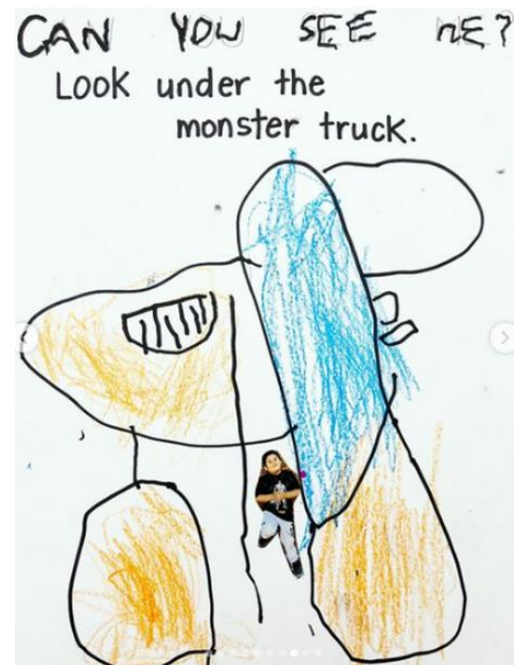
viewing and
showing

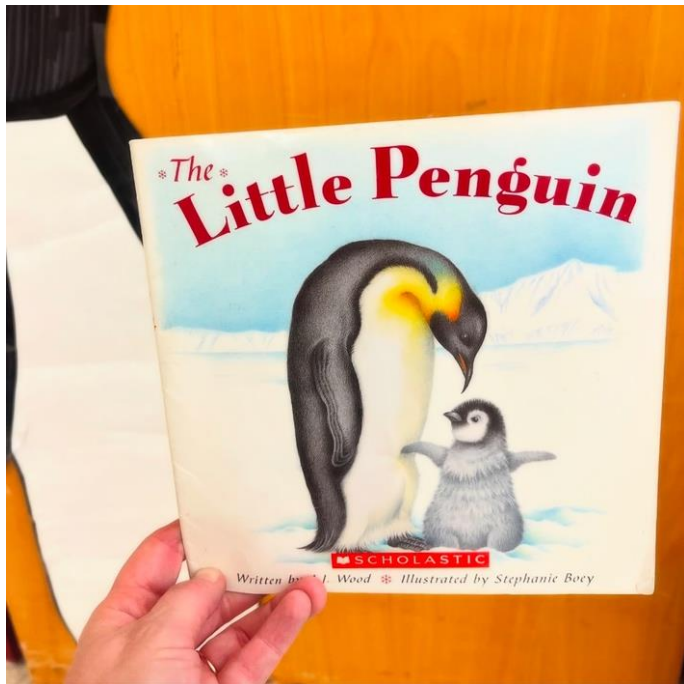


Listening and
speaking



writing and
decoding





Activity: What kind of box?

viewing and
showing



Listening and
speaking



writing and
decoding



Dear Shelley,
Here is what I discovered:

A SMALL box can
hold _____ child.

A MEDIUM box can
hold _____ children.

A LARGE box can hold
_____ children.

I think you should use a
box to ship the penguins.

ANOTHER TIP? _____

FROM _____

Dear Kindergarten,

Hello! I am a zoologist named Shelley and I
need to ship 6 emperor penguins to a new
zoo.

I heard you are BOXITECTS and ARCHITECTS
and I thought you would be perfect to
gather some information from.

I need you to do an experiment for me.

I heard that an emperor penguin is about
the size of a kindergarten child. But I have
no idea how big of a container I might need
in order to send our 6 emperor penguins!

Can you experiment and explore with some
boxes to ESTIMATE what size box I might
need? If you could send some pictures and
drawings that would be great!

Thank you!

Sincerely,
Shelley

Backwards Design Planning

Grade: 9	Subject Area: Science	Strand/Topic:
Learning Standard: HS-LS1-1. Construct an explanation based on evidence for how the structure of DNA determines the structure of proteins which carry out the essential functions of life through systems of specialized cells		Unit Guiding Question(s): What is the structure of DNA? What is DNA? What does DNA look like? What does DNA do? How are the structures of DNA and the structures of proteins related? How can I use evidence to explain how the structure of DNA impacts that structure of proteins? How are the structure of proteins and related to the essential functions of life? What is the role the systems of specialized cells?
Key Vocabulary: theories and laws, evidence, natural world, structure of DNA, DNA, proteins, essential functions of life, life, systems of specialized cells, organisms		
Learning Goals	Curricular Language What do Students need to Know and Do?	Student Friendly Language
Science and Engineering Practices (skills)	Construct an explanation based on valid and reliable evidence obtained from a variety of sources (including students' own investigations, models, theories, simulations, peer review) and the assumption that theories and laws that describe the natural world operate today as they did in the past , present, future .	I can explain using evidence that there are theories and laws that describe the natural world - I know what evidence is - I know what science and theories and laws* are - I know what the natural world is
Disciplinary Core Ideas (knowledge)	Disciplinary Core Ideas LS1.A: Structure and Function ? Systems of specialized cells within organisms help them perform the essential functions of life . ? All cells contain genetic information in the form of DNA molecules . Genes are regions in the DNA that contain the instructions that code for the formation of proteins , which carry out most of the work of cells .	I know that the systems of specialized cells inside organisms perform essential functions of life • I know what systems of specialized cells are • I know what organisms are • I know what the essential* functions of life are I know that cells have genetic information in DNA molecules I know that genes are parts of DNA that are instructions for how proteins are formed I know how cells work
Crosscutting Concepts (Big Idea)	Structure and Function ? Investigating or designing new systems or structures requires a detailed examination of the properties of different materials , the structures of different components , and connections of components to reveal its function	I understand that structures are made of many different components that are connected and have specific functions.

Grade: 9		Subject Area: Science		Strand/Topic:		
Learning Standard: HS-LS1-1. Construct an explanation based on evidence for how the structure of DNA determines the structure of proteins which carry out the essential functions of life through systems of specialized cells				Unit Guiding Question(s): What is the structure of DNA? What is DNA? What does DNA look like? What does DNA do? How are the structures of DNA and the structures of proteins related? How can I use evidence to explain how the structure of DNA impacts that structure of proteins? How are the structure of proteins and related to the essential functions of life? What is the role the systems of specialized cells?		
Key Vocabulary: theories and laws, evidence, natural world, structure of DNA , DNA , proteins , essential functions of life , life , systems of specialized cells , organisms						
Learning Goals	Curricular Language What do Students need to Know and Do?			Summative Task: The Cell-tastic voyage: Exploring the Wonders of Cellular Structures and Functions		
				Visual/pictorial/ concrete (observations)	Written/abstract (products)	Oral language/ presentations (conversations)
Science and Engineering Practices (skills)	Construct an explanation based on valid and reliable evidence obtained from a variety of sources (including students’ own investigations, models, theories, simulations, peer review) and the assumption that theories and laws that describe the natural world operate today as they did in the past , present , future .	<ul style="list-style-type: none">I can explain using evidence that there are theories and laws that describe the natural world		hands-on demonstration	Written experimental plan	experimental design as part of an adventurous quest
Disciplinary Core Ideas (knowledge)	Disciplinary Core Ideas LS1.A: Structure and Function ☐ Systems of specialized cells within organisms help them perform the essential functions of life . ☐ All cells contain genetic information in the form of DNA molecules . Genes are regions in the DNA that contain the instructions that code for the formation of proteins , which carry out most of the work of cells .	<ul style="list-style-type: none">I know that the systems of specialized cells inside organisms perform essential functions of lifeI know that cells have genetic information in DNA moleculesI know that genes are parts of DNA that are instructions for how proteins are formedI know how cells work		3D model of a cell	infographic or poster	a virtual tour
Crosscutting Concepts (Big Idea)	Structure and Function ☐ Investigating or designing new systems or structures requires a detailed examination of the properties of different materials , the structures of different components , and connections of components to reveal its function and/or solve a problem .	<ul style="list-style-type: none">I understand that structures are made of many different components that are connected and have specific functions.		Visual reflection	Written reflection	Oral reflection

Name:				Date:		
Performance Expectation: HS-LS1-1. Construct an explanation based on evidence for how the structure of DNA determines the structure of proteins which carry out the essential functions of life through systems of specialized cells						
Goals	My evidence of learning	Showing my Learning			I Need Support	I Need Challenge
	Actvtivities/ tasks	written	oral	visual		
<ul style="list-style-type: none">I can explain using evidence that there are theories and laws that describe the natural world						
<ul style="list-style-type: none">I know that the systems of specialized cells inside organisms perform essential functions of lifeI know that cells have genetic information in DNA moleculesI know that genes are parts of DNA that are instructions for how proteins are formedI know how cells work						
<ul style="list-style-type: none">I understand that structures are made of many different components that are connected and have specific functions.						

1. Standards based vs. standardized curriculum

Kristine Nannini YoungTeacherLove

Standards Based Grading

...helps teachers:

Give quality feedback

In the traditional grade book, Katie and her parents would see her grades and think she is getting by just fine.

But standards based grading reveals that she has not completely mastered the standards.

Traditional Grade Book

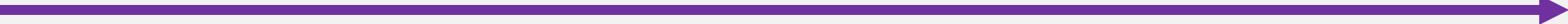
Name	Homework	Quiz 1	Quiz 2	Chapter 2 Test
Katie	90%	88%	82%	80%
Joe	60%	75%	88%	70%
Sara	10%	90%	98%	100%
John	100%	50%	60%	54%

Standards Based Grade Book

	Standard 1: Use parenthesis, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.	Standard 2: Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them.	Standard 3: Generate two numerical patterns using two given rules. Identify apparent relationships between corresponding terms. Form ordered pairs consisting of corresponding terms from the two patterns, and graph the ordered pairs on a coordinate plane.
Katie	4	2	2
Joe	2	3	1

Learning Continuums

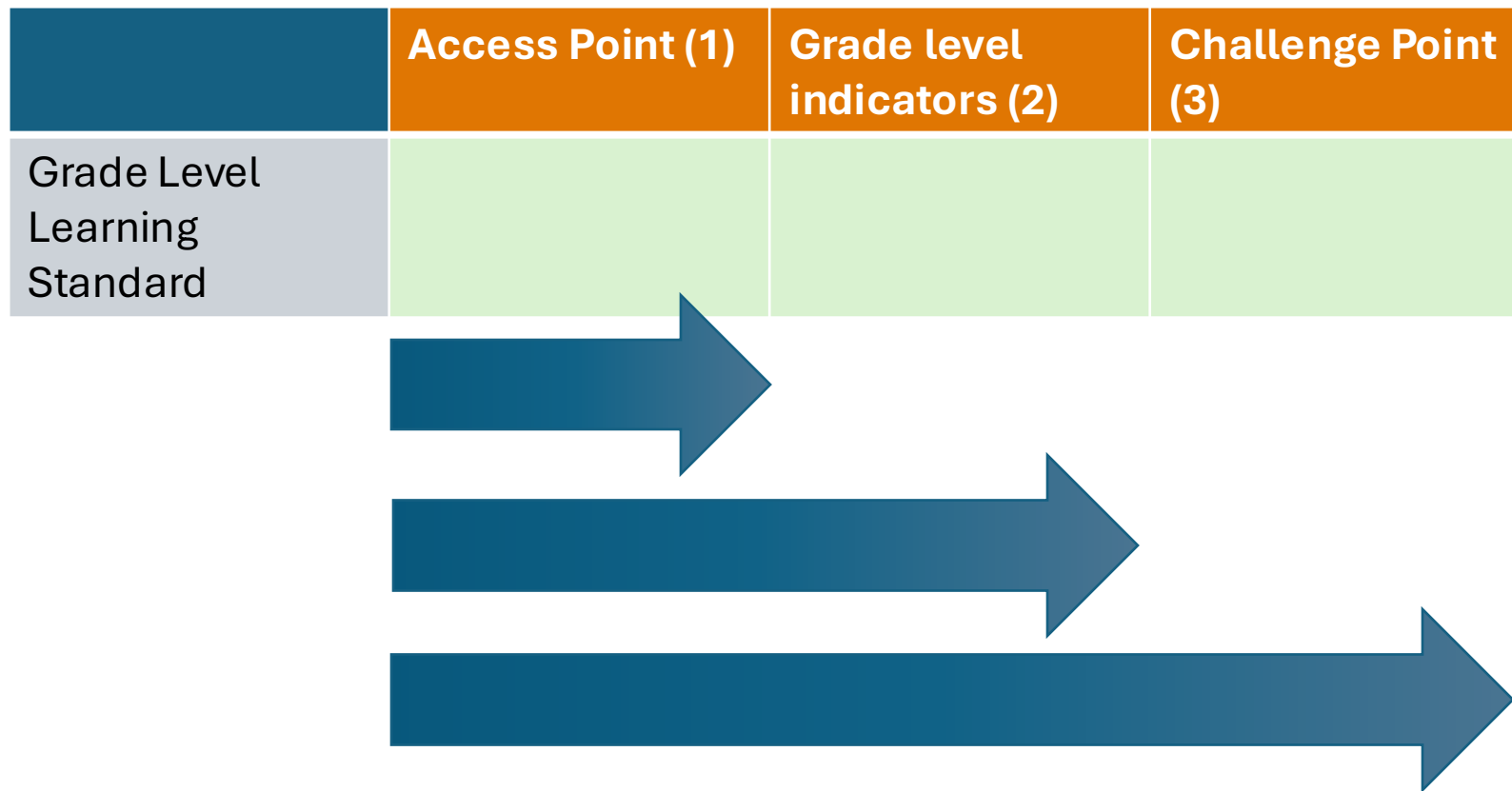
1. Choose a Learning Standard and translate it into student friendly language

Learning Outcome:			
Student friendly:			
			
Approaching	Essential	Confident	Extending

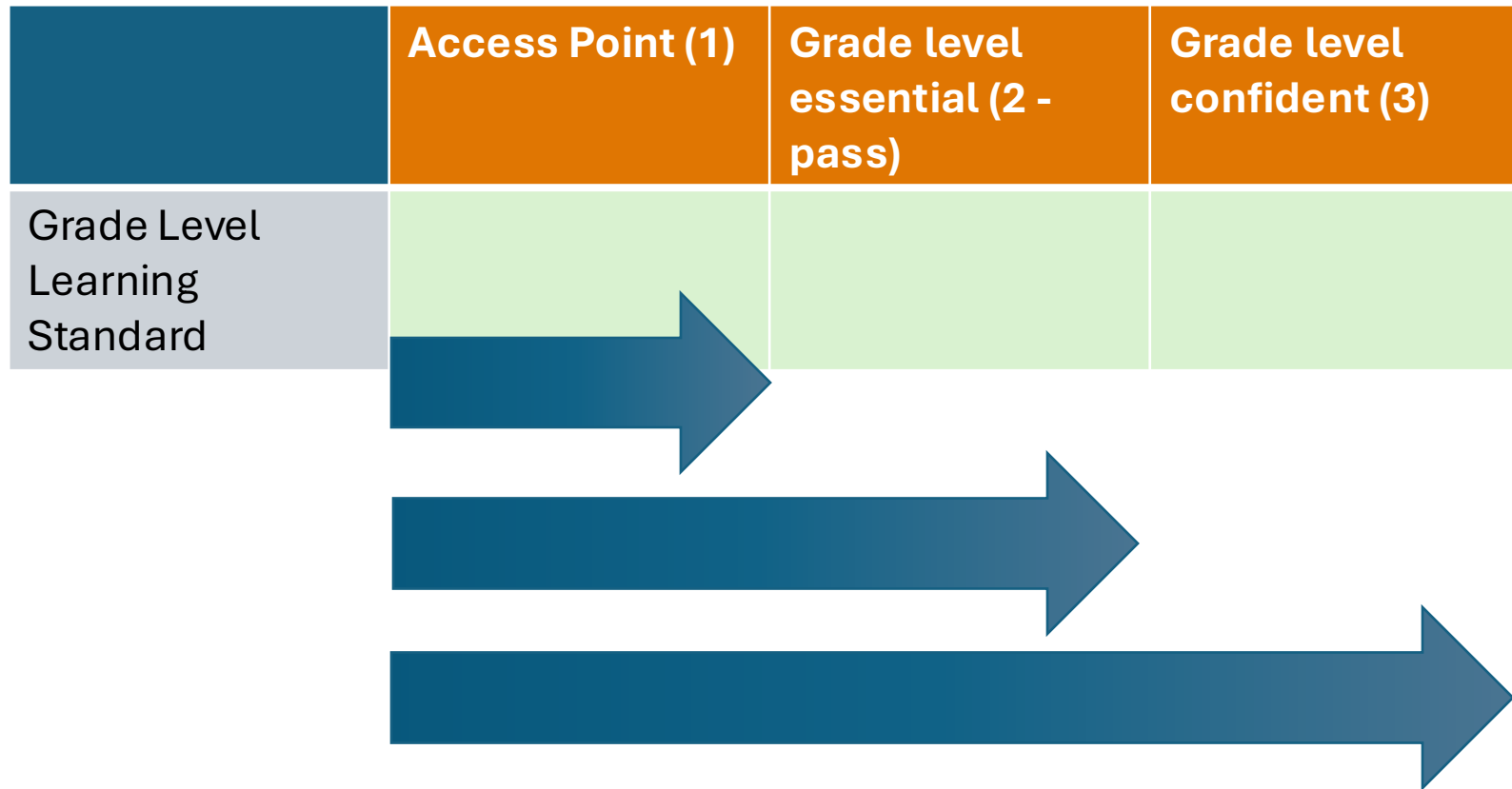
2. Start with determining the **most essential concept** of the standard and then **add on complexity**

3. Extend the grade level standard to include an **access point** and **challenge point**

Scaffolded Curriculum: 3 Point Continuum

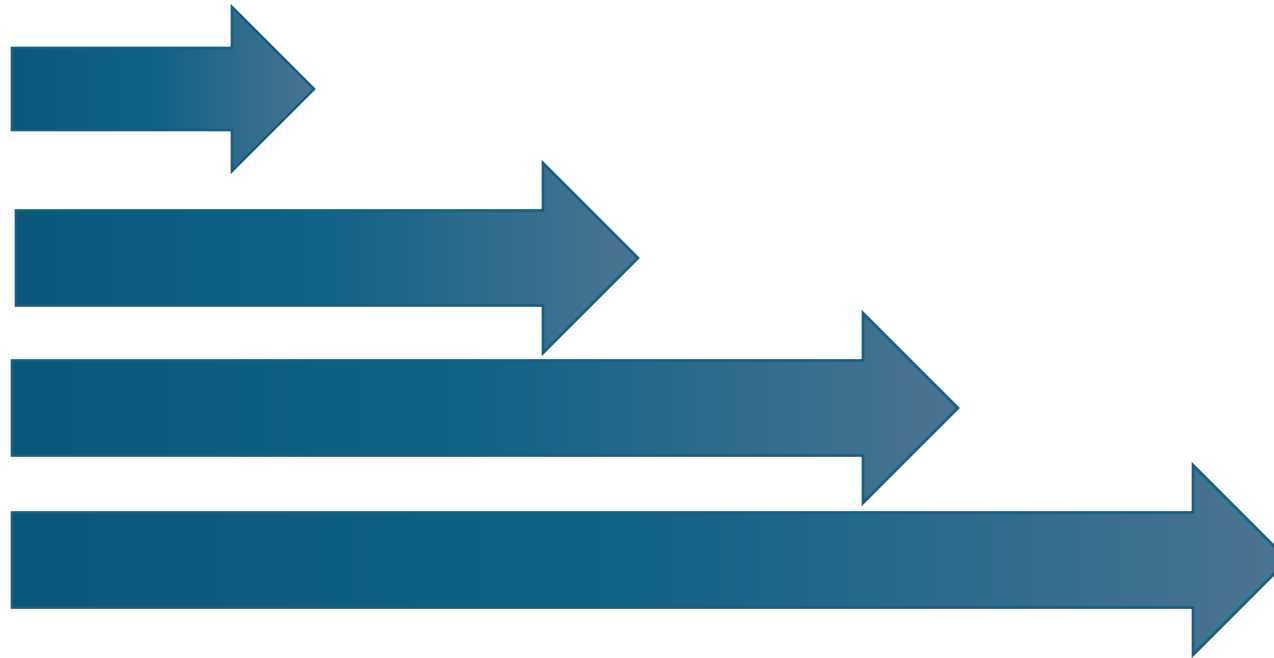


Scaffolded Curriculum: 3 Point Continuum

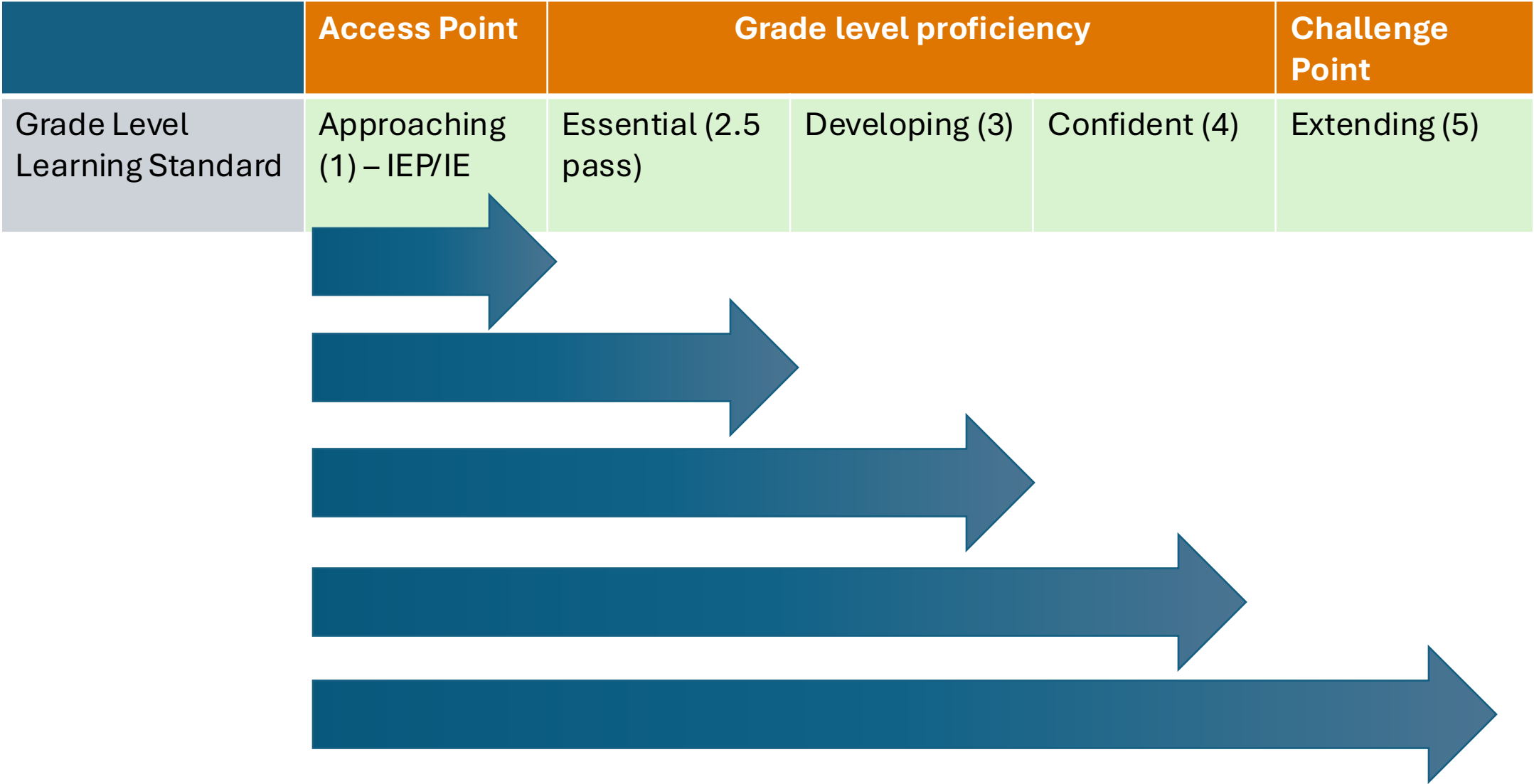


Scaffolded Curriculum: 4 Point Continuum

	Access Point	Grade level proficiency		Challenge Point
Grade Level Learning Standard	Approaching (1)	Essential (2 pass)	Confident (3)	Extending (4)



Scaffolded Curriculum: Point Continuum



1. Standards based vs. standardized curriculum

Kristine Nannini YoungTeacherLove

Standards Based Grading

...helps teachers:

Give quality feedback

In the traditional grade book, Katie and her parents would see her grades and think she is getting by just fine.

But standards based grading reveals that she has not completely mastered the standards.

Traditional Grade Book

Name	Homework	Quiz 1	Quiz 2	Chapter 2 Test
Katie	90%	88%	82%	80%
Joe	60%	75%	88%	70%
Sara	10%	90%	98%	100%
John	100%	50%	60%	54%

Standards Based Grade Book

	Standard 1: Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.	Standard 2: Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them.	Standard 3: Generate two numerical patterns using two given rules. Identify apparent relationships between corresponding terms. Form ordered pairs consisting of corresponding terms from the two patterns, and graph the ordered pairs on a coordinate plane.
Katie	4	2	2
Joe	2	3	1

Standards Based Grade Book (NGSS)

Learning Standard/ Performance Expectation													Evaluation				
													Total	Out of	%	Letter Grade	4-Point
Possible Evidence of Learning																	
Reporting Language	Approaching/ Access Point	Emerging/ Essential	Developing	Extending	Approaching/ Access Point	Emerging/ Essential	Developing	Extending	Approaching/ Access Point	Emerging/ Essential	Developing	Extending					
Evaluation	IE/IE P	2.5	3	4	IE/IE P	2.5	3	4	IE/IE P	2.5	3	4					
Student 1 (IEP)																	
Student 2																	
Student 3																	
Student 4																	
Student 5																	
Student 6																	

Backwards Design Planning

Grade: 5		Subject Area: Science	Strand/Topic: Structure and Properties of Matter
Learning Standard: 5-PS1-1. Develop a model to describe that matter is made of particles too small to be seen			Unit Guiding Question(s): How can I use a model to help me understand that some matter is made up of particles that are too small to see ?
Content Vocabulary: model, matter, particles, idea, bulk matter			Skills Vocabulary: create, build, change, solve a problem, observe
Learning Goals	Curricular Language What do Students need to Know and Do?	Student Friendly Language	
Science and Engineering Practices (skills)	Developing and Using Models building and revising simple models and using models to represent events and design solutions. Use models to describe phenomena.	<ul style="list-style-type: none"> I can create and improve a model I can use a model to show an idea I can use a model to solve a problem 	
Disciplinary Core Ideas (knowledge)	PS1.A: Structure and Properties of Matter Matter of any type can be subdivided into particles that are too small to see matter still exists and can be detected by other means. A model showing that gases are made from matter particles that are too small to see and are moving freely around in space can explain many observations including the inflation and shape of a balloon and the effects of air on larger particles or objects.	<ul style="list-style-type: none"> I know that matter can be broken apart into tiny particles that are too small to see I know that even if tiny particles are too small for my eyes to see, there are other ways to observe them I know that a model is a way to observe tiny particles too small to see I know some examples of models that can help me observe tiny particles that are too small to see 	
Crosscutting Concepts (understanding)	Scale, Proportion, and Quantity Natural objects exist from the very small to the immensely large.	I understand that there are things that are very tiny and very large	

Standards Based Grade Book (NGSS)

Learning Standard/ Performance Expectation	5-PS1-1. Develop a model to describe that matter is made of particles too small to be seen												Evaluation				
	Science and Engineering Practices				Disciplinary Core Ideas				Crosscutting Concepts				Total	Out of	%	Letter Grade	4-Point
Possible Evidence of Learning																	
Reporting Language	Approaching/ Access Point	Emerging/ Essential	Developing	Extending	Approaching/ Access Point	Emerging/ Essential	Developing	Extending	Approaching/ Access Point	Emerging/ Essential	Developing	Extending					
Evaluation	IE/IE P	2.5	3	4	IE/IE P	2.5	3	4	IE/IE P	2.5	3	4		12			
Student 1 (IEP)	•				•				•	•			3	3*	100%	A*	4*
Student 2	•	•			•	•			•	•			7.5	12	63%	D	2.5
Student 3	•	•	•	•	•	•	•	•	•	•	•		11	12	92%	A-	3.67
Student 4			•	•	•	•	•		•	•			IE	12			
Student 5	•	•	•	•	•	•							IE	12			
Student 6	•	•	•		•	•	•	•	•	•	•	•	11	12	92%	A-	3.67

Student 1 (IEP)

Next Generation Science Standards (NGSS)		
Subject Area: Science	Strand: Matter and Its Interactions	Grade: 5
Performance Expectation: 5-PS1-1 Students can develop a model to describe that matter is made of particles too small to be seen		Guiding Unit Question: How do we know that something exists if we cannot see it?
Unit Vocabulary (Content): properties, structures, scale, proportion, quantity, models, particles, bulk matter,		Unit Vocabulary (Skills): make, observe



Foundations	Student Friendly Language	Access Point	Essential	Confident	Extend
Science & Engineering Practices	I can make a model to help me understand an idea by:	following/ participating in creating a model	planning and creating a model	creating a model to solve a problem	Adjusting or revising a model I have created
Disciplinary Core Ideas	I know that matter is made up of particles that are too small to see by: I know that models can help us see particles that are too small to see by:	describing what matter is describing that there are different states of matter describing examples of different kinds of matter in the world	describing what bulk matter is describing that matter (that I can see) is made up of tiny particles (that are too small to see) describing examples of models that help to observe particles that are too small to see	describing how collecting many tiny particles can help us observe how matter takes up space describing which part of the model is bulk matter, and which part of the model is particles	describing the relationship between matter and particles using the model to describe the relationship between matter and how particles move when they are collected
Crosscutting Concepts	I know that objects in the world can be very large and very small by:	describing objects in the world that are very small and very large	describing what microscopic and macroscopic is and examples of each in the world	describing what is similar and what is different between microscopic and macroscopic objects in the world	describing what scale is and how it helps us understand microscopic and macroscopic objects

***Description:** can include but are not limited to written, oral, pictorial, and kinesthetic

Student 2 – 63%

Next Generation Science Standards (NGSS)		
Subject Area: Science	Strand: Matter and Its Interactions	Grade: 5
Performance Expectation: 5-PS1-1 Students can develop a model to describe that matter is made of particles too small to be seen		Guiding Unit Question: How do we know that something exists if we cannot see it?
Unit Vocabulary (Content): properties, structures, scale, proportion, quantity, models, particles, bulk matter,		Unit Vocabulary (Skills): make, observe



Foundations	Student Friendly Language	Access Point	Essential	Confident	Extend
Science & Engineering Practices	I can make a model to help me understand an idea by:	following/ participating in creating a model	planning and creating a model	creating a model to solve a problem	Adjusting or revising a model I have created
Disciplinary Core Ideas	I know that matter is made up of particles that are too small to see by: I know that models can help us see particles that are too small to see by:	describing what matter is describing that there are different states of matter describing examples of different kinds of matter in the world	describing what bulk matter is describing that matter (that I can see) is made up of tiny particles (that are too small to see) describing examples of models that help to observe particles that are too small to see	describing how collecting many tiny particles can help us observe how matter takes up space describing which part of the model is bulk matter, and which part of the model is particles	describing the relationship between matter and particles using the model to describe the relationship between matter and how particles move when they are collected
Crosscutting Concepts	I know that objects in the world can be very large and very small by:	describing objects in the world that are very small and very large	describing what microscopic and macroscopic is and examples of each in the world	describing what is similar and what is different between microscopic and macroscopic objects in the world	describing what scale is and how it helps us understand microscopic and macroscopic objects

***Description:** can include but are not limited to written, oral, pictorial, and kinesthetic

Student 3 – 92%

Next Generation Science Standards (NGSS)		
Subject Area: Science	Strand: Matter and Its Interactions	Grade: 5
Performance Expectation: 5-PS1-1 Students can develop a model to describe that matter is made of particles too small to be seen		Guiding Unit Question: How do we know that something exists if we cannot see it?
Unit Vocabulary (Content): properties, structures, scale, proportion, quantity, models, particles, bulk matter,		Unit Vocabulary (Skills): make, observe



Foundations	Student Friendly Language	Access Point	Essential	Confident	Extend
Science & Engineering Practices	I can make a model to help me understand an idea by:	following/ participating in creating a model	planning and creating a model	creating a model to solve a problem	Adjusting or revising a model I have created
Disciplinary Core Ideas	I know that matter is made up of particles that are too small to see by: I know that models can help us see particles that are too small to see by:	describing what matter is describing that there are different states of matter describing examples of different kinds of matter in the world	describing what bulk matter is describing that matter (that I can see) is made up of tiny particles (that are too small to see) describing examples of models that help to observe particles that are too small to see	describing how collecting many tiny particles can help us observe how matter takes up space describing which part of the model is bulk matter, and which part of the model is particles	describing the relationship between matter and particles using the model to describe the relationship between matter and how particles move when they are collected
Crosscutting Concepts	I know that objects in the world can be very large and very small by:	describing objects in the world that are very small and very large	describing what microscopic and macroscopic is and examples of each in the world	describing what is similar and what is different between microscopic and macroscopic objects in the world	describing what scale is and how it helps us understand microscopic and macroscopic objects

***Description:** can include but are not limited to written, oral, pictorial, and kinesthetic

Student 3 – 92%

Next Generation Science Standards (NGSS)		
Subject Area: Science	Strand: Matter and Its Interactions	Grade: 5
Performance Expectation: 5-PS1-1 Students can develop a model to describe that matter is made of particles too small to be seen		Guiding Unit Question: How do we know that something exists if we cannot see it?
Unit Vocabulary (Content): properties, structures, scale, proportion, quantity, models, particles, bulk matter,		Unit Vocabulary (Skills): make, observe



Foundations	Student Friendly Language	Access Point	Essential	Confident	Extend
Science & Engineering Practices	I can make a model to help me understand an idea by:	following/ participating in creating a model	planning and creating a model	creating a model to solve a problem	Adjusting or revising a model I have created
Disciplinary Core Ideas	I know that matter is made up of particles that are too small to see by: I know that models can help us see particles that are too small to see by:	describing what matter is describing that there are different states of matter describing examples of different kinds of matter in the world	describing what bulk matter is describing that matter (that I can see) is made up of tiny particles (that are too small to see) describing examples of models that help to observe particles that are too small to see	describing how collecting many tiny particles can help us observe how matter takes up space describing which part of the model is bulk matter, and which part of the model is particles	describing the relationship between matter and particles using the model to describe the relationship between matter and how particles move when they are collected
Crosscutting Concepts	I know that objects in the world can be very large and very small by:	describing objects in the world that are very small and very large	describing what microscopic and macroscopic is and examples of each in the world	describing what is similar and what is different between microscopic and macroscopic objects in the world	describing what scale is and how it helps us understand microscopic and macroscopic objects

***Description:** can include but are not limited to written, oral, pictorial, and kinesthetic

Student 4 – IE

Next Generation Science Standards (NGSS)		
Subject Area: Science	Strand: Matter and Its Interactions	Grade: 5
Performance Expectation: 5-PS1-1 Students can develop a model to describe that matter is made of particles too small to be seen		Guiding Unit Question: How do we know that something exists if we cannot see it?
Unit Vocabulary (Content): properties, structures, scale, proportion, quantity, models, particles, bulk matter,		Unit Vocabulary (Skills): make, observe



Foundations	Student Friendly Language	Access Point	Essential	Confident	Extend
Science & Engineering Practices	I can make a model to help me understand an idea by:	following/ participating in creating a model	planning and creating a model	creating a model to solve a problem	Adjusting or revising a model I have created
Disciplinary Core Ideas	I know that matter is made up of particles that are too small to see by: I know that models can help us see particles that are too small to see by:	describing what matter is describing that there are different states of matter describing examples of different kinds of matter in the world	describing what bulk matter is describing that matter (that I can see) is made up of tiny particles (that are too small to see) describing examples of models that help to observe particles that are too small to see	describing how collecting many tiny particles can help us observe how matter takes up space describing which part of the model is bulk matter, and which part of the model is particles	describing the relationship between matter and particles using the model to describe the relationship between matter and how particles move when they are collected
Crosscutting Concepts	I know that objects in the world can be very large and very small by:	describing objects in the world that are very small and very large	describing what microscopic and macroscopic is and examples of each in the world	describing what is similar and what is different between microscopic and macroscopic objects in the world	describing what scale is and how it helps us understand microscopic and macroscopic objects

Student 4 – with evidence
9.5/12
79%
3.2

*Description: can include but are not limited to written, oral, pictorial, and kinesthetic

Student 5 – IE

Next Generation Science Standards (NGSS)		
Subject Area: Science	Strand: Matter and Its Interactions	Grade: 5
Performance Expectation: 5-PS1-1 Students can develop a model to describe that matter is made of particles too small to be seen		Guiding Unit Question: How do we know that something exists if we cannot see it?
Unit Vocabulary (Content): properties, structures, scale, proportion, quantity, models, particles, bulk matter,		Unit Vocabulary (Skills): make, observe



Foundations	Student Friendly Language	Access Point	Essential	Confident	Extend
Science & Engineering Practices	I can make a model to help me understand an idea by:	following/ participating in creating a model	planning and creating a model	creating a model to solve a problem	Adjusting or revising a model I have created
Disciplinary Core Ideas	I know that matter is made up of particles that are too small to see by: I know that models can help us see particles that are too small to see by:	describing what matter is describing that there are different states of matter describing examples of different kinds of matter in the world	describing what bulk matter is describing that matter (that I can see) is made up of tiny particles (that are too small to see) describing examples of models that help to observe particles that are too small to see	describing how collecting many tiny particles can help us observe how matter takes up space describing which part of the model is bulk matter, and which part of the model is particles	describing the relationship between matter and particles using the model to describe the relationship between matter and how particles move when they are collected
Crosscutting Concepts	I know that objects in the world can be very large and very small by:	describing objects in the world that are very small and very large	describing what microscopic and macroscopic is and examples of each in the world	describing what is similar and what is different between microscopic and macroscopic objects in the world	describing what scale is and how it helps us understand microscopic and macroscopic objects

Student 5 – with evidence
9/12
75%
3.0

*Description: can include but are not limited to written, oral, pictorial, and kinesthetic



What is one useful idea?

What is one thing you want to try?

What is one thing you want to think about?

What is one thing you want to learn more about?

What is one thing you want to share with someone
who is not here today?

Shelley MOORE PH.D.



@tweetsomemoore



@fivemooreminutes



@fivemooreminutes



www.fivemooreminutes.com

www.blogsomemoore.com