





Name: Kurt Score: 0/4 F

Teacher: \_\_\_\_\_ Date: \_\_\_\_\_

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 $\frac{13}{x 67}$ 

Name: Anthony

Score:

0/4 (F)

Teacher: \_\_\_

Date:



This section shows the tion to his or her own teacher.  Key: G = Good, N	R - Satisfactory. X - Capable of Second Report  P.  P.  P.  Artisfactory Second Report Third Report  CO.	20
Reading Language Spelling Arithmetic Social Studies Science	Click to add te	I a C

TEACHER'S COMMENT: FIRST REPORT

progress to date has been very satisfactory. His work is neat, well-organized and completed on time.

n class and around the school roven himself to be a helpful, mannerly nd reliable individual. I hope he will ontinue with his good efforts.

TEACHER'S COMMENT: FIRST REPORT

Antonio's progress to date has been very satisfactory. His work is neat, well-organized and completed on time.

In class and around the school, Antonio has proven himself to be a helpful, mannerly and reliable individual. I hope he will continue with his good efforts.

- Can the student solve complex problems?
- Does the student work well with others?
- What are the student's strengths?
- What do they need to work on?
- Where are they going to next?



	Jennifer	%	Teresa	%
Formative assessment –	55/60 = 92%		23/60 = 38%	
pretest				
Oral presentation	24/25	96%	16/25	64%
Research article reflection	20/20	100%	15/20	75%
Quiz #1	29/30	97%	29/30	97%
Synthesizing project	35/40	88%	40/40	100%
Quiz #2	27/30	90%	29/30	97%
Group presentation	22/25	88%	25/25	100%
Summative test	53/60	88%	59/60	98%
		91%		93%



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Summative test	53/60	88%	59/60	98%
		91%		93%
		91%		81%



# Curriculum - past

#### **Prescribed Learning Outcomes: Biology 11**

It is expected that students will:

#### PROCESSES OF SCIENCE

- A1 demonstrate safe and correct technique for a variety of laboratory procedures
- A2 design an experiment using the scientific method
- A3 interpret data from a variety of text and visual sources

#### TAXONOMY

B1 apply the Kingdom system of classification to study the diversity of organisms

#### EVOLUTION

C1 describe the process of evolution

#### ECOLOGY

D1 analyse the functional inter-relationships of organisms within an ecosystem

#### **M**ICROBIOLOGY

#### Viruses

- E1 evaluate the evidence used to classify viruses as living or non-living
- E2 evaluate the effects of viruses on human health

#### Kingdom Monera

- E3 analyse monerans as a lifeform at the prokaryotic level of organization
- E4 evaluate the effectiveness of various antibiotics, disinfectants, or antiseptics on bacterial cultures

#### PLANT BIOLOGY

- F1 analyse how the increasing complexity of algae, mosses, and ferns represent an evolutionary continuum of adaptation to a land environment
- F2 analyse how the increasing complexity of gymnosperms and angiosperms contribute to survival in a land environment

#### ANIMAL BIOLOGY

- G1 analyse how the increasing complexity of animal phyla represents an evolutionary continuum
- G2 analyse the increasing complexity of the Phylum Porifera and the Phylum Cnidaria
- G3 analyse the increasing complexity of the Phylum Platyhelminthes, the Phylum Nematoda, and the Phylum Annelida
- G4 analyse the increasing complexity of the Phylum Mollusca, the Phylum Echinodermata, and the Phylum Arthropoda
- G5 relate the complexity of the form and function of vertebrates to the evolutionary continuum of animals



"... we must educate in new and different ways if we are to prepare our children for a 21st century world. We can no longer focus education around the acquisition of knowledge - information is too easily accessible with the touch of a screen."

Jay McTighe – Experienced educator, consultant and author



### Curriculum - present



All areas of learning are based on a "Know-Do-Understand" model.

Three elements, Content (Know), Curricular Competencies (Do), and Big Ideas (Understand) all work together to support deeper learning.

The Know and Do are Learning Standards. This reflects a standards-based pedagogy.



### Driving

### **KNOW** (facts)

Rules, signs, signals, vocabulary, etc

### DO (skills)

Accelerate, brake, steer, park, turn, etc.

### **UNDERSTAND** (conceptual understanding)

How to share the road, decision making, road patterns, how to adjust for weather



Big Ideas: The Big Ideas consist of generalizations and principles and the key concepts important in an area of learning. They reflect the "Understand" component of the Know-Do-Understand model of learning.



#### Area of Learning: SCIENCE

Grade 3

Ministry of Education

#### **BIG IDEAS**

Living things are diverse, can be grouped, and interact in their ecosystems.

All matter is made of particles.

Curricular Competencies:

The Curricular Competencies

are the skills, strategies, and

Know-Do-Understand model

of learning. While Curricular

Competencies are more

subject-specific, they are

connected with the Core

Competencies.

processes that students

develop over time. They

reflect the "Do" in the

Thermal energy can be produced and transferred.

Wind, water, and ice change the shape of the land.

Content: The Content

learning standards -

Know-Do-Understand

topics and knowledge

model of learning -

detail the essential

at each grade level.

the "Know" of the

#### Learning Standards

#### Curricular Competencies

Students are expected to be able to as

#### Questioning and predicting

- Demonstrate curiosity and a sense of w
- Observe objects and events in familiar
- Identify questions about familiar objects
- Make predictions based on prior knowled

#### Planning and conducting

- Suggest ways to plan and conduct an in
- Consider ethical responsibilities when d
- Safely use appropriate tools to make ot measurements and digital technology a
- Make observations about living and nor
- Collect simple data

#### Processing and analyzing data and inform

- Experience and interpret the local envir
- Identify First Peoples perspectives and knowledge as sources of information
- · Sort and classify data and information using drawings or provided tables
- Use tables, simple bar graphs, or other formats to represent data and show simple patterns and trends
- Compare results with predictions, suggesting possible reasons for findings

#### Content

- · biodiversity in the
- · the knowledge of
- energy is needed
- matter is anything

- major local landfor
- local First Peoples

 observable changes in the local environme erosion and deposition by wind, water, and ice

Students are expe

- atoms are building
- sources of therma
- transfer of therma



Student ownership and engagement are achieved when students can articulate:

- What they are learning (Understand, Know & Do)
- How their learning is going relative to Understand, Know and Do
- Explain where they are going next

Students ability to answer these questions is fundamental for good teaching and forms the foundation for assessment.



Does what we report accurately reflect our students' true level of understanding?

"How confident am I that the grades students get in my classroom/school/district are accurate, meaningful, and consistent, and that they support learning?" Ken O'Connor 2007

Do our assessment practices contribute to student confidence, or do they raise anxiety?

"Confidence is about real optimism that develops from a sense that success is possible, even if it's not immediate." Tom Schimmer





#### **Traditional Assessment**

- Based on Assessment methods (tests, quizzes, assignments)
- Uses a mix of assessments, participation, achievement, effort. May use penalties or extra credits.
- Calculates a grade on all scores.
- Focus on content.

#### **Standards-based Assessment**

- Based on learning standards and proficiency.
- Emphasizes most recent evidence of learning and the trend.
- Content is the vehicle to assess the competencies.



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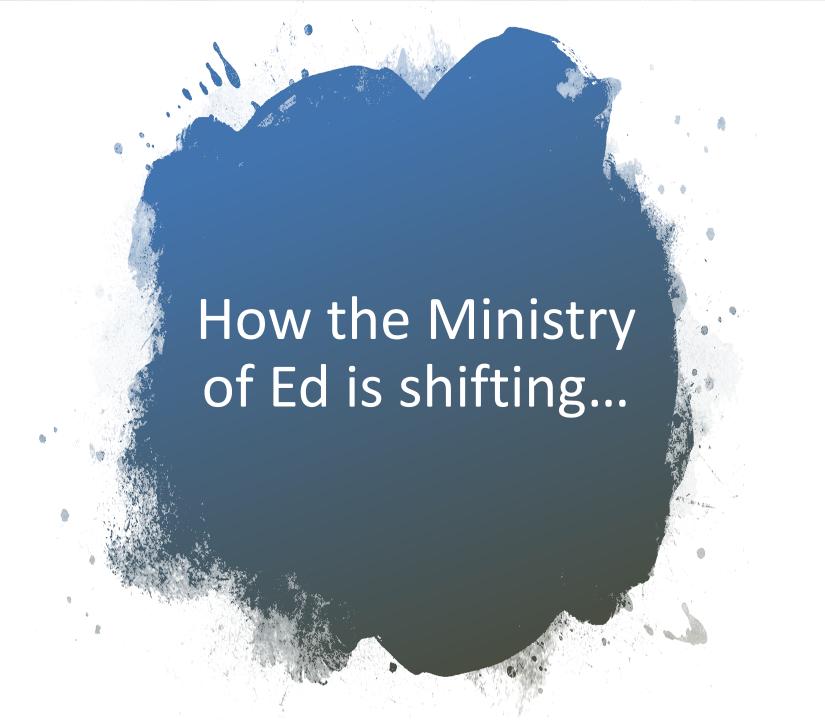
- major local landfor
- local First Peoples

observable changes in the local environme

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erosion and deposition by wind, water, and ice





### Key shifts in Reporting

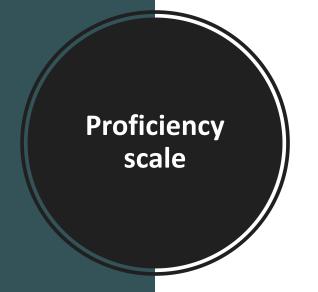
- more timely and flexible communication
- descriptive four-point provincial proficiency scale for K-9
- student selected evidence-based reflection during the school year



### **Key Research Findings**



- Frequent communication with parents has a positive impact on student learning, engagement, motivation and effort
- Focus on proficiency (rather than letter grades) leads to improved reliability of assessment results and increased student engagement
- Self and peer assessment improves student performance, confidence, independence and helps to foster positive/productive learning environments

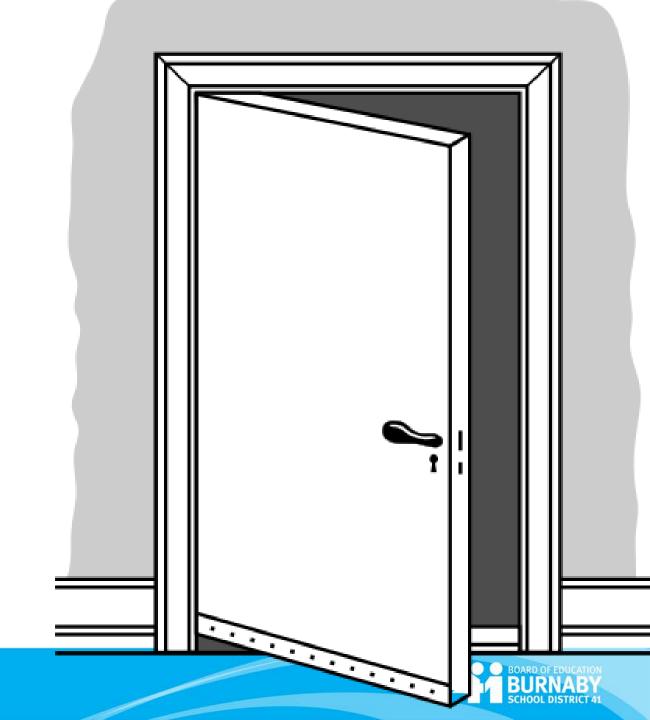


	_		$\longrightarrow$	-
	Emerging	Developing	Proficient	Extending
Proficiency Scale	The student demonstrates an initial understanding of the concepts and competencies relevant to the expected learning.	The student demonstrates a partial understanding of the concepts and competencies relevant to the expected learning.	The student demonstrates a complete understanding of the concepts and competencies relevant to the expected learning.	The student demonstrates a sophisticated understanding of the concepts and competencies relevant to the expected learning.



Proficient

"yes or not
yet"



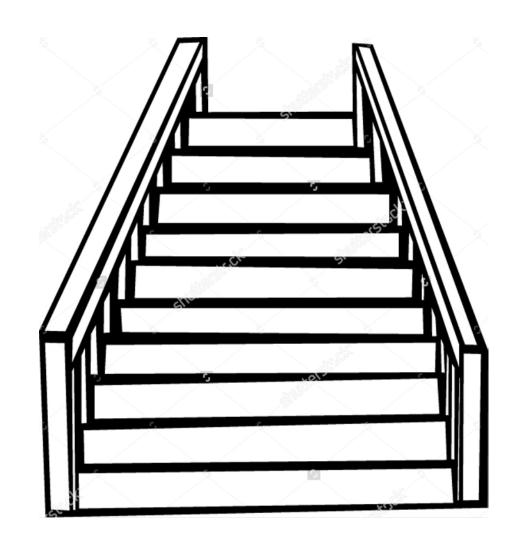




# Developing "school"



Emerging "precursor skills"





### Continuum of Learning Standards

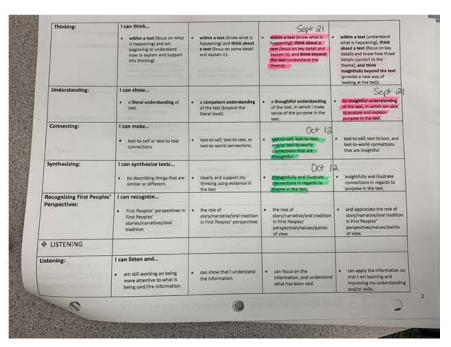
	A CONTINUUM (	DEVELOPING	PROFICIENT	EXTENDING
COMPREHENDING AND CONNECTING READING AND VIEWING				
Reading a Variety of Text Types:	I can read			
	<ul> <li>from one genre/form to another but need assistance identifying a text's genre or I find one genre more easy to read.</li> </ul>	<ul> <li>from one genre/form to another and can identify a text's genre.</li> </ul>	a variety of genres/forms competently and can identify a variety of genres.	comfortably across genres/forms and can show how the genre/form changes from genre to genre or form to form
Reading Ability Across Texts:	I select texts that		The same of the sa	
Singaland	are easy for me to read	<ul> <li>push me to think a bit deeper about a theme/idea and are appropriate for my reading ability.</li> </ul>	push me to think deeper about a theme/idea, that challenge my reading ability, allow me to comfortably learn new words/ideas.	challenge my thinking and my reading ability, but I am able to make sense of this text by using my comprehension skills.
fext Detail:	I can notice or understand  obvious details in a text.	some details in a text.	Important details in a text.	subtle details in a text.
Iterary	I can see literary elements			
spects/Elements:	in a text and  am working towards understanding how they create meaning in a text	recognize how literary elements and devices help create meaning in a text.	show how literary elements, techniques, and devices create meaning in a text	<ul> <li>show how literary elements, techniques, and devices create and enhance meaning in a text.</li> </ul>
ummarizing:	I can summarize			
	what has happened in a text and am beginning to develop how to explain and support what it means	what has happened in a text, interpret some meaning.	what has happened in a text, interpret what it means, and provide support for this meaning.	what has happened in a text interpret what it means, provide support for this meaning, and infer across the whole text (illustrate common patterns/theme)

By Denise Ferreira



### Student Sample

	EMERGING	DEVELOPING	PROFICIENT	EXTENDING
COMPREHENDING AND CONNECTING READING AND VIEWING			HOTCLEY	EXTENDING
Reading a Variety of Text Types:	from one gents/form to another but need assistance identifying a text's genre or I find one genre more easy to read.	from one genre/form to another and can identify a text's game.	a veriety of genres/forms competently and can identify a variety of genres.	comfortably across general/forms and can show how the general/form changes from genre to genre or form to form
Reading Ability Across Texts:	I select texts that  • are easy for me to read	gush me to think a bit deeper about a theme/idea and are appropriate for my reading ability.	push me to think deeper about a theme/idea, that challenge my reading ability, allow me to comfortably learn new words/ideas.	challenge my thinking and my reading ability, but I am able to make sense of this text by using my comprehension skills.
Text Detail:	I can notice or understand • obvious details in a text.	some details in a text.	Important details in a text.	Sept 19  subtle details in a text.
Literary Aspects/Elements:	I can see literary elements in a text and  • arm working towards understanding how they create meaning in a text	recognize how literary elements and devices help create meaning in a text.	• show how literary elements, techniques, and devices create meaning in a text	show how literary elements, techniques, and devices create and enhance mouning in a text.
Summarizing:	what has happened in a text and am beginning to develop how to explain and support what it means	what has happened in a text, interpret some meaning.	what has happened in a text, interpret what it means, and provide support for this meaning.	Sept 13.  • what has happened in a too, interpret what it means, provide support for the meaning, and infer across the whole text (illustrate common patterns), themely



By Denise Ferreira



### Student Sample

```
These skills include my ability to:
*think critically
*acquire and interpret information
*develop and generate ideas
*analyze and critique
*draw connections between and across text
*question, explain/recount and reflect
*make sense of relationships and cultural contexts
*make sense of personal values and choices
*understand human well-being
*value diversity in perspective and thinking
Overall Understanding of what happens in a text
I can ... acquire and interpret information - analysis
I'd like to be able to ... find deeper meaning within the text
                    (read between the lines)
Text Detail and Literary Tools
I can ... analyze and critique
I want to ... grow my knowledge of literary devices and be able to
              point out more of them
Character Development
I can ... make sense of relationships and cultural contexts
I should... question the purpose each relationship the protogonist has.
Synthesis of Text/Ideas
I can. draw connections between and across text
I should work towards...
```

```
Mechanics (grammar and punctuation)
 I can ... edit my work
 I've noticed ... that I need to challenge myself in using punctuation
             that is not used as often (ie/semi-colons)
 Tone and Awareness of Audience
 I can ... understand who the text is targetting (the audience)
 I will try... to see now it may apply to different groups of
           people that may not have been intended.
 Key strengths:
 expressing my opinions / asking questions in class of
 · structuring my thinking into written forms.
 Key Areas for Development:
                      variation in Sentence Structure
 improve Vocabulary and
  getting things in on time
 lan for Growth:
 Incorporating the words of day into my writing
 Plan wisely / prioritize
etter Grade I would give myself: A
```

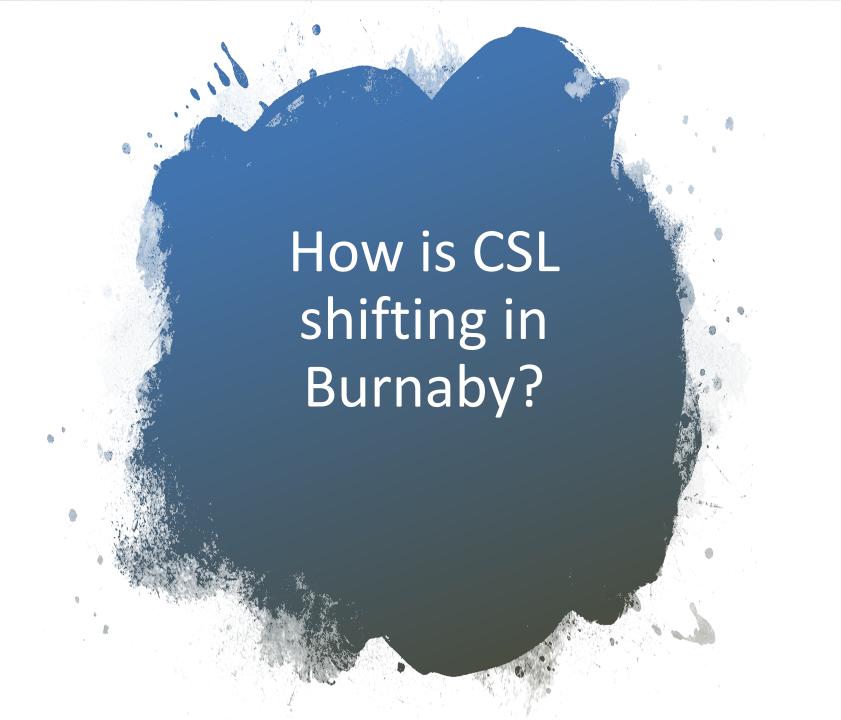
By Denise Ferreira



### Video...

 https://www.youtube.com/watch?v=M1CHPn ZfFmU





The district offered opportunities for school teams to work together at the school level to explore a variety of methods for documenting knowledge, skills and attitudes (and helping our students to document their learning) Sharon Jeroski facilitated the school conversations and discussed the myriad of opportunities and possibilities around Communicating Student Learning.





Tom Schimmer is an education author, speaker, and consultant from BC.

This year, Burnaby is running a learning series with Tom focusing on Standards-Based Learning and how to make summative assessment meaningful.

We are moving from "teach, teach, teach, teach, then monumental assessment" to continual assessment which gather's precise information to guide our practice and allow us to individualize our instruction.



#### CORE COMPETENCIES



#### Communication



#### **Creative Thinking**

- 2. Generating ideas
- 2. Developing ideas



#### **Critical Thinking**

- 1. Analyze and onlique
- Guestion and investigate
- Devidep and design



#### Positive Personal & Cultural Identity



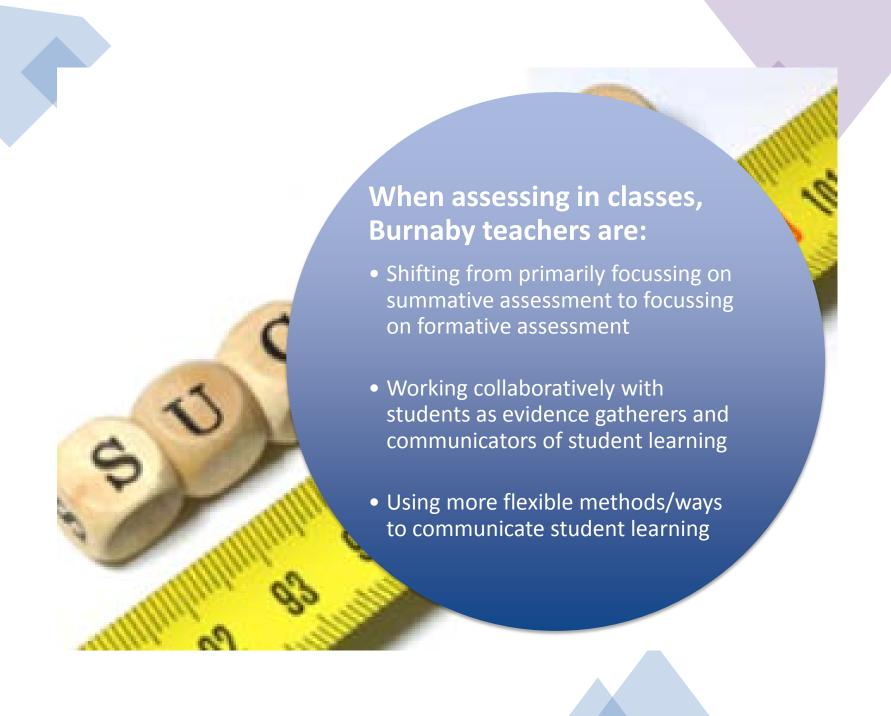
#### Social Responsibility

- Combuting to commonly and coring for the environment Solving problems in perceid ways Voking diversity Building Relationships



#### Personal Awareness & Responsibility





### Options in Burnaby

BURNABY SCHOOL DISTRICT 41	Communic	ating	Stude	ent Le	arning
	Windsor Elementa Kindergarten - Divisio Ms. Thiessen	ry School		lio Review/	Conference
		Emerging	Developing	Applying	Extending
STUDENT PHOTO	Speaking/Listening Reading/Viewing			•	
	Writing/Representing				$\longrightarrow$
	Math				
	Science				
Student Name	Social Studies				
Student Number: 1234567	Art, Drama, Dance				
Celebrations of Learning Teacher's Reflection:					
Teacher's Reflection: Child's Reflection:					

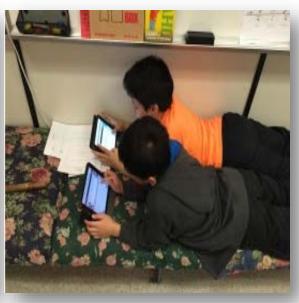






than using strategies used by most people. I like figuring out different ways of solving a problem.





### Portfolios – paper and digital





Depends how I did, however I'm not as hard on myself if I don't do good as I know there are multiple opportunities to improve

LESS STRESS...

If I did bod on a quiz or test I do not feel as worried for my grade because I know I can improve my mark and eliminate the poor mark.
This system makes SBA Classes much less stressful than traditionally graded classes.

it takes some stress of us becam it shows thre can be progress it from what many you got or it you are prod it you mare it is easier to undestand and improve.

I poler SBA, 21 it sllows a riter margin for error, therefore leaving more room for growk & development.



### MORE INFORMATION...

I feel like it is easier to se where I or at will a Certain Larning goal. If I set developing or thelow I my need to study more ear that specific features seed.

when I recieve a quiz test, or lab graded with this style, I feel as if I know exactly where to start with studying for next time.

I prefu SBA because it shows me how I can improve and how I can improve and how I can improve and aircrass successful in sections instead of one result for the where them.



## MORE ACCURACY...

I prefer SBA because SBA looks over the entire picture rather than traditional grading looks at the question and if you for example, get 2 tiny calculation mistake then you would get the entire question wrong. Also I like how there is learning goals so I can focus my time therefy on certain topics to fully understand.

Yes as in traditional grading, if I got an answer wrong it would affect everything, while with SBA, If I still understood the concepts and got all the other steps along the way correctly, then I'd get awarded for that,

I prefer SBA because Near Nee tender is reciking whole picture. So if I make on liny pretake mistake but everything use is right. It will the still be right.



## A MORE UPLIFTING CLASSROOM CULTURE...

I feel good because I know I'm being Marked on Understanding even if I make a calculation mistake

than the same percentage

It makes me feel good because I can see where I am at and how much I understand better than just a letter grade.

instead of seeing a percent or certain number of points it lets me see how I am doing in more of a possitive way



