NSW Department of Education

# How do you Differentiate the Curriculum ?

Jacqui Hood

Sangeeta Hegde Macquarie Fields High School Carmela Giamboi Strathfield South PS education.nsw.gov.au

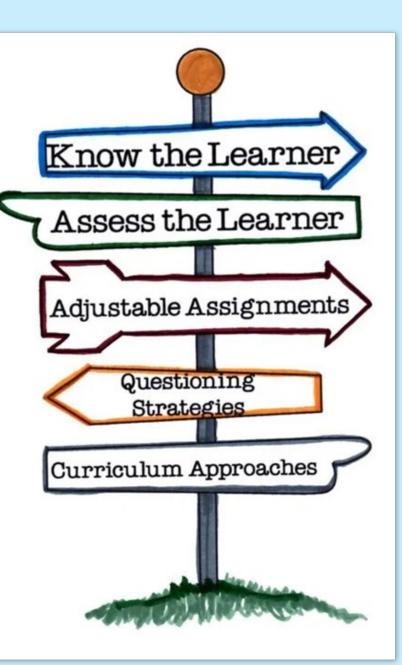




### **Acknowledgement of Country**

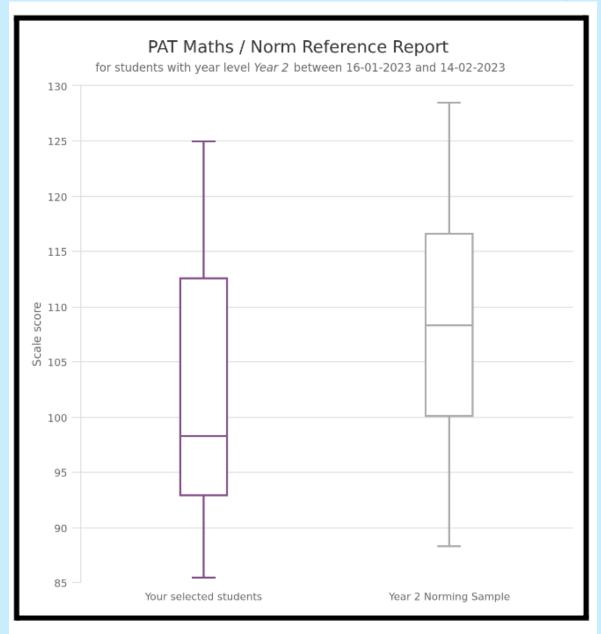
We strive to ensure every Aboriginal and Torres Strait Islander learner in NSW achieves their potential through education.

Differentiation is the process of tailoring learning experiences to address each student's individual strengths, needs and interests.



#### **Differentiating the Curriculum**

#### Our Why - to meet the needs of our students where they are at $\sqrt{2}$



4



### Differentiation is about knowing

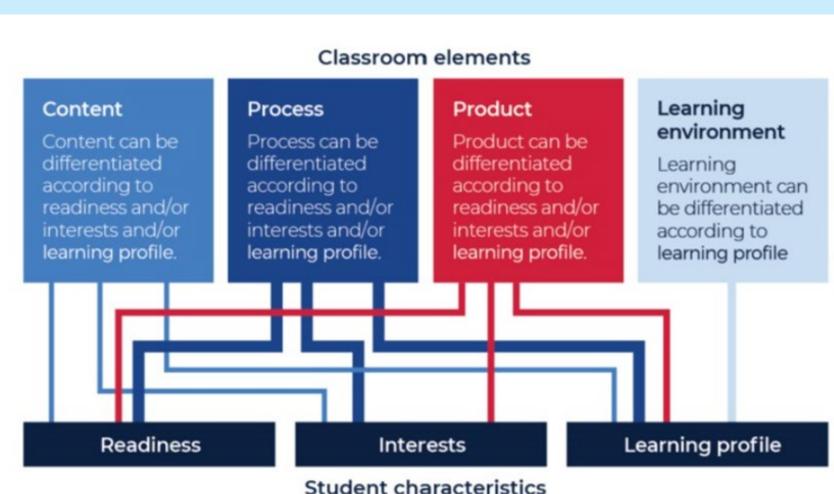
• your students and content well

- the goals and targets you want for each student
- about the types of adjustments to use



### When can we differentiate ?





6



#### **Differentiating Product & Differentiating Content**

These are the learning experiences that you use for students to develop their understanding of a topic. It involves:

- Providing varying levels of difficulty (tiered) or varying topics of interest
- Offering different amounts of teacher and student support to complete a task
- Giving students choice about how to express their understanding
- Varying the length of time provided for a task
- Providing access to materials targeting different learning styles
- Using different grouping strategies e.g. high with middle and middle with low.

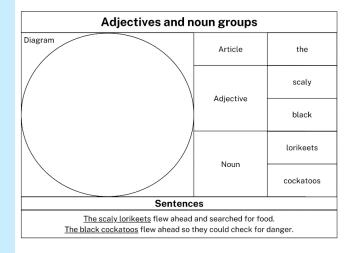
#### **Differentiating Product & Differentiating Content**

Modelled: Explicit Teaching/Guided	<ol> <li>Explain that to play this game students will need a partner, 3 logs (such as twigs or recycled cardboard) and 12 'frogs' (either figurines, objects to represent the frogs, or a copy of <u>Resource 5: 12 frogs</u>).</li> <li>Display <u>Resource 6: Frogs on logs</u> and pose the mathematical problem: There are 12 frogs altogether and there are 2 frogs on the first log. Ask students to work out how many frogs might be on each of the other logs.         Note: Some students may confuse this with division, that is, by forming equal groups of frogs. Explain that sometimes we need to separate amounts in ways that don't all have the same amounts, or that are shared equally.     </li> </ol>	
Independent	<ul> <li>In pairs, students will use the materials to represent this problem and investigate possible solutions. They record all the possible solutions they find. For examples, see below.</li> <li>Image: Solutions they find. For examples, see find.</li> <li>Image: Solutions they find. For examples, see find.</li> <li>Image: Solutions they find. For examples, see find.</li> <li>Image: Solutions they find.</li> <li>Image: Solutions they find.</li> <li>Image: Solution the exit of for examples.</li></ul>	
Adjustments	<b>Too Hard: Striving</b> Students could work with 10 frogs and 2 logs, working to make 'friends of 10'.	
Differentiation Adjustment Tool		
Lesson Reflection	<ul> <li>As a class, revise the problem that students were investigating with a partner by asking:</li> <li>What was the problem we were trying to solve?</li> <li>How many frogs did we have altogether? (12 frogs)</li> <li>How many logs did we have? (3 logs)</li> <li>How many frogs were on the first log? (2 on the first log)</li> <li>How many frogs could be on the other logs? (12 can be partitioned in different ways, such as</li> </ul>	s 2, 5 and 5 or 2, 3 and 7)

#### **Differentiating Product & Differentiating Content**

Display the page with the sentence 'The scaly lorikeets and black cockatoos flew ahead to search for food'. Deconstruct the descriptive noun group by identifying the:

- article the
- adjectives scaly, black
- nouns lorikeets, cockatoos.



#### Independent:

Students draw a character and write a descriptive compound sentence using blank <u>Resource 1: Adjectives and</u> noun groups.

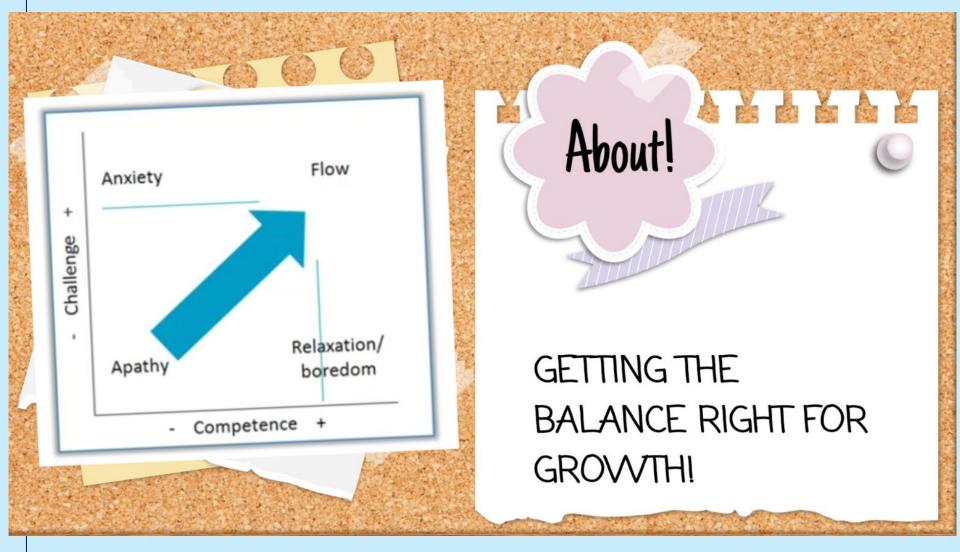
#### **Reflection of Learning**

Students share their work with a partner and identify adjectives and noun groups within the compound sentence. Partners determine if the sentence provides effective detail and describes the character.

Adjustments	Too Hard: (Striving) Students write a simple sentence to describe their character.
Differentiation Adjustment Tool/s	<b>Too Easy: Adjustments and Extensions</b> Students draw a character and setting from the text, including multiple adjectives and noun groups in their writing to create complex sentences.
Assessment Opportunities What to Look for:	<ul> <li>Stage 1 Assessment task 1 – Observations and work samples from this lesson allow students to demonstrate achievement towards the following syllabus outcomes and content points:</li> <li>EN1-OLC-01 – communicates effectively by using interpersonal conventions and language to extend and elaborate ideas for social and learning interactions</li> <li>use adjectives and adverbs to elaborate and/or provide some supporting details or justifications and express causal relationships.</li> </ul>







### How do I meet needs of my students where they



#### are at ? The just right - not too difficult, nor too easy

- Have a clear understanding of what they are supposed to be learning in the lesson
- -LISC -Why are they learning it and where it fits into their learning -what students are asked to do ,to learn is so important.

2. Lesson needs to be an appropriate increased level of challenge. Students need to know what they are aiming for in today's practice, and how that moves them forward in what they practiced yesterday.

3. Lesson must support the diversity in student readiness and and ability to master the content, skill and reasoning process at this level of challenge.





### HOW?

Planning for the needs in your class

Formative assessment gathered in 3 ways
 Observe your students - dispositions
 Observe their work -samples CTJ

Observe students in the process of doing their work



#### How?

If most students are not up to the next content don't teach it.

Give students opportunities to do something that they clearly see develops their understanding and gives evidence of it.

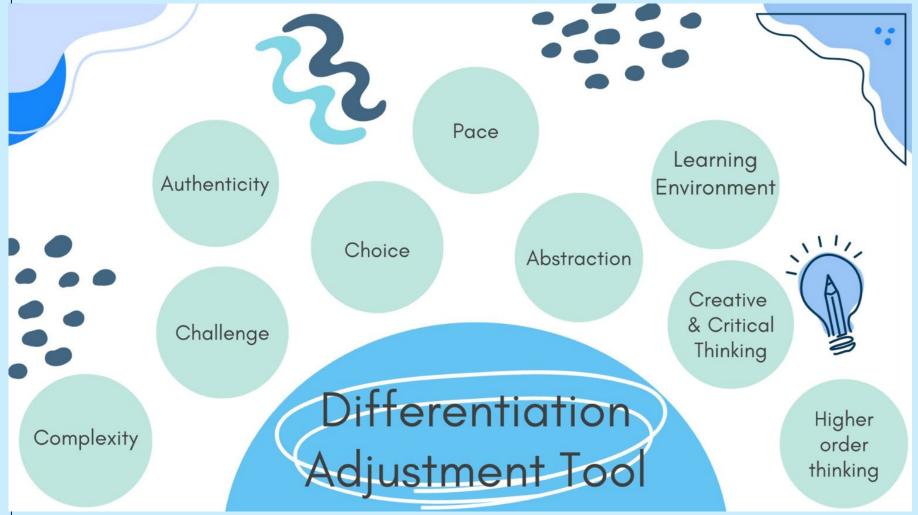
Example here



#### Where to Next



### **Differentiation Adjustment Tool**



# My understanding of differentiation ? Is it challenging work? it challenging work. challenging work. Sit challenging work. Challe of differentiation effectively?

## Let's ask the student

#### STUDENT SURVEY

#### MEETING THE NEEDS OF EVERY LEARNER

Your answers will be treated confidentially. Please answer each question as accurately as you can.

Thank you.

Question	Never 🙁	Rarely	Sometimes	Often	Always 🙂
My teachers make me feel that they really care about how I feel.					
Our class is always busy and doesn't waste time.					
My teachers have several good ways of explaining things so that I can understand what I need to learn.					
I learn a lot almost every day and I learn to correct my mistakes.					
I like the way in which we learn in my classes.					
My teachers respect my ideas and suggestions.					
The comments that I get about my work help me to understand how to improve.					

## Data Analysis

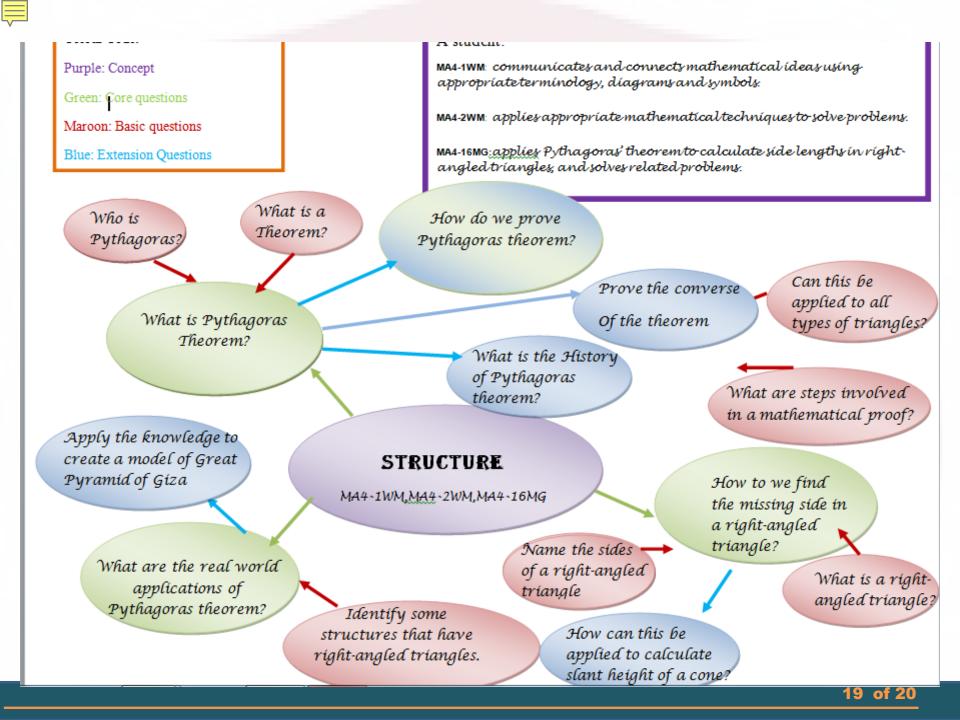
#### Data analysis:

Question	Never	Rarely	Sometimes	Often	Always
1. Care	0%	0%	1%	93%	6%
2. Control	0%	0%	6%	89%	5%
3. Clarify	0%	0%	7%	90%	3%
4. Challenge	0%	2%	7%	82%	9%
5. Captivate	3%	5%	10%	75%	7%
6. Confer	0%	3%	9%	85%	3%
7. Consolidate	2%	3%	7%	81%	7%

## What does data say?

Not much Variety of teaching and learning techniques not demonstrating deeper understanding

Engagement

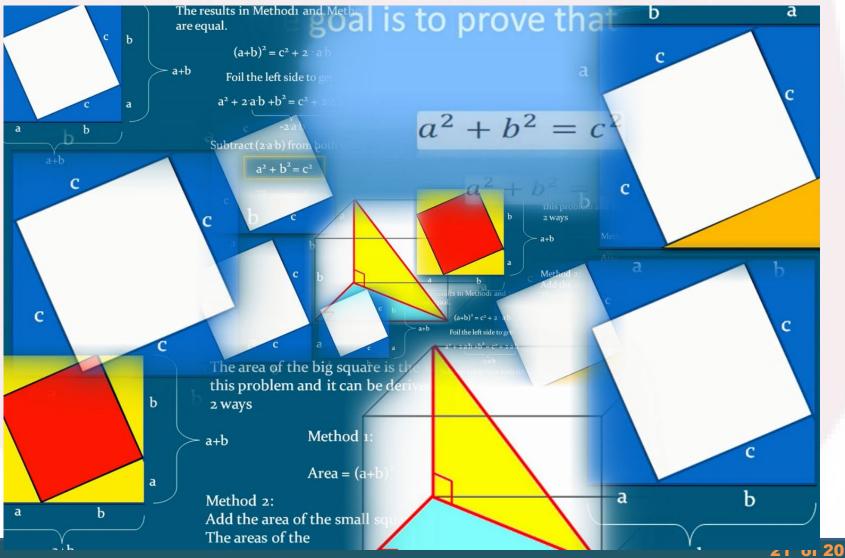


## **Differentiation Strategies**



20 of 20

## Differentiation Strategies : HPGE





## **Success**

Ē

Class Roll	Class	Semester	Assessment Record	
Class YEAY & A YEAR 8 MATHEMATICS 8MATHS 3-8A ame MRS 5 HEGDE	Horit A.C been bread no	1 25 50 50 30 fest =	30 Arce 30 30	
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Image: standard Deviation = 4.43
High Engag	Nº 1 13 17 03	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	a1     04     07     28       16     05     04     18       08     03     00     00       11     03     03     12       15     05     02     02	Pythagoras Post-test: Average = 18.6 Standar Privation = 6.05
Enga	gen 30 10	2 21 47 50 24 20 17 12 11 11 12 2	29 30 30 29 25 or 03 18 25 ou 04 27 21 46 09 K	Studen

din en cersize

feedback