









Despite the great and growing variety of students in our classrooms, and abundant evidence that schools do not serve many students well, we still teach as though all students of a given age are essentially alike.



John Hattie on Differentiation:

Teachers need to know where each student begins and is in his/her journey to meeting the criteria of the lesson.

- What are his or her strengths and gaps in knowledge and understanding?
- What learning strategies does he or she have and how can we help him or her to develop other useful learning strategies?



John Hattie on Differentiation:

- Teaching the class as a whole is unlikely to pitch the lesson correctly for all students.
- The teacher will have to provide different ways in which students can demonstrate mastery and understanding along the way to meeting the criteria for success.



The challenge is:

☐ To care *about* each student

☐ To care for each student



Geneva Gay: Culturally Competent Teaching

Because it is the professional thing to do.

Because it is the ethical thing to do.

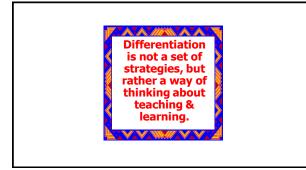
The teacher's overriding moral purpose is to meet the needs of students, even when it conflicts with personal preferences.

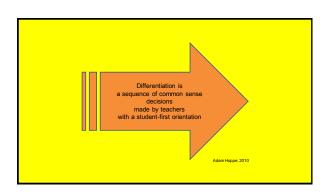
Lome Earl (2003). Assessment as Learning

What Differentiation is, really...

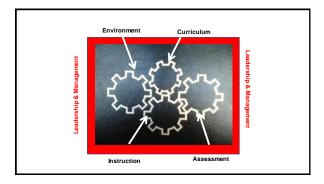
What's YOUR definition of differentiation?
(Take a minute to joit it down.)
Now share definitions with 3-4 fence partners.
(Ask one another questions about their definitions to unpack them as fully as possible. Look for similarities & differences among them.)

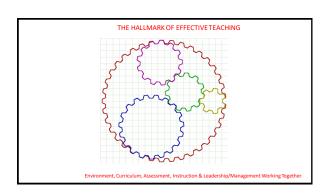
In Justin's Classroom... Look for: Whatever you see that seems to contribute to successful learning for his students. Please jot down any observations you make as you watch. What do you think Justin's definition of differentiation would be? Please be ready to concisely share your group's thinking with another group.

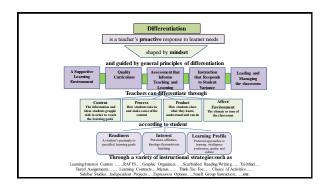


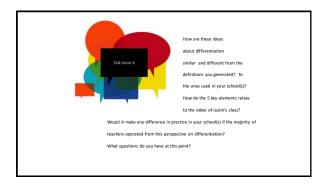
















What do you see...

About the **learning environment** here that seems

important in supporting student success?

What examples/evidence of differentiation do you see?

What's going on here that matters for student success?



1.	Grov	vth	Min	d

- TeacherStudent
- 2. Teacher-Student Connections

3.Community

The Game Plan	For m
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1. Plan for Engagement 2. Clear KUDs 3. Focus on

4. Teaching Up

Understanding





Please share insights and questions with your Think Tank group from the article below that you read last night. Engage the group in a discussion—don't just "report out."

You'll have about 15 minutes for the group

to share and discuss. Appoint a time keeper so
that everyone has about the same amount of
time to guide the discussion.

- Learning to Love Assessment
 We aren't Using Assessment Correctly
 Inside the Black Box



What do you see...

About the nature of formative assessment in this

teacher's thinking that seems

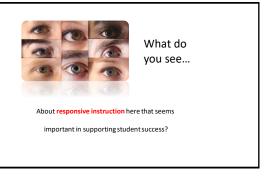
important in supporting student success?

My Favorite No





Differentiating for Readiness, Interest, & Learning Profile



In this brief clip...



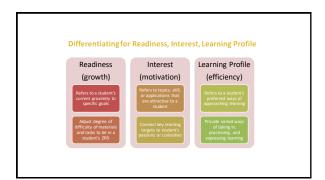
Look for:

- How the teacher deals with different levels of knowledge and skill while still ensuring that all students deal with key understandings.
- The degree to which the task is likely to seem respectful to students.
- 4) Your own questions/observations.

HOPE 27:10-29:30

1. Tightly aligned with KUDs
2. Based on Formative
Assessment
3. Responsive to Readiness,
Interest, Learning Profile
4. Focus on understanding
5. "Teaching Up"
6. Respectful Tasks
7. Flexible Grouping
8. Maximum Growth for Each Learner

Differentiating Content, Process, & Product Content (input) 1. What we want students to know, understand, & be able to do 2. How students come to "own" what they learn what they learn what they learn Practice with they learn what they learn sees so what they learn wh







Stations in World Language

Station 1	Station 3
Speaking/Conversation	Writing
Station 2 Listening	Station 4 Grammar/Vocabulary/ Translation

The room is divided into 4 quadrants—each focuses on one aspect of language Students are assigned to a station based on readiness needs Length of time a student spends in a particular station will vary based on readiness needs Students may work alone, in pairs, or in small groups based on task requirements & student needs or preferences Tasks within a station can vary—or not Small group instruction can take place within one or more centers—or at a 5th station

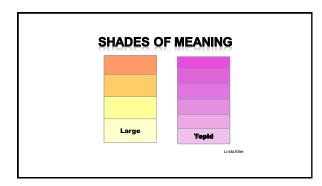
During Silent Reading/Work Time:

Students could:

- Work at their desks,
 Lie on carpet squares around the perimeter of the room,
 —Heads toward the front of the room
 —Two square rule



Reading Homework Coupon	Reading Homework Coupon	
Name:	Name:	
Date:	Date:	
☐ Please ask your child to tell you the story in the book he or she brought home today by looking at the pictures.	☐ Please echo read the book your child brought home. (Echo reading means you read a line, then your child reads or echoes the same line.) ☐ Ask your child to show you some words in the story he or she recognizes.	
Reading Homework Coupon	Reading Homework Coupon	
Name:	Name:	
Date:	Date:	
Ask your child to read with expression as if he or she were reading to entertain someone, Ask your child to give you several reasons why he or she likes (or dislikes) the book.	☐ Ask your child to read with a different voice for each character ☐ After the reading, ask how your child decided on how his/her voice could help you know the various characters better.	
☐ Have your child tell you what feelings the character in the book has. Ask for evidence from the book.	☐ Ask your child to tell you which character would be most fun to spend time with. Ask for reasons for his/her choice	





What Kind of Cookies do you See: A Pre-School Sorting Activity

- The teachersorts some paper cookies using a Think-Aloud (Let's see, here's a big chocolate cookie. If jupt it on this plate. Here's another chocolate cookie, but it's small, so I'll jupt it in another plate. Here's another small cookie, but it's vanilla. I'll jupt in on another plate and see if I find any other small, vanilla cookies....
- 2) Give students envelopes of cookies to sort and paper plates (or circles) on which to Give students envelopes or cookies to sort and paper sort them. Observe the students as they sort. Proficient—Sorts by size and color In Process—Sorts by size, but is hesitantabout color Not Yet Ready—Does not yet sort by size or color
- Follow-up activity
 Proficient students sort by size, color, and "extras" (for example: nuts or raisins)
 In Process students sort by shape and color—can work in pairs
 Not yet ready students work with the teacher to sort by color, and if possible, then by size

Talk with students aboutyour favorite cookies and ask them their favorites. Have students draw and color their favorite cookies.
 Label the cookies.
 Hold them up one by one and ask students help sort them on a chart or on the bluekboard (for example, all chocolate chip cookies together, all sugar cookies together, etc.)
 Ask students upsetion about size, shape, color (for example, "Anthony, show us a cookie that is brown and is small").



The Numan Digestive Bystem (The KUDs) Students will:

4° Grade Science

(1) Substracted by up lea. In this case, the 10 pile harmon digestive system or collection of these or more pair that set bugstree to affect the whole for any or street of the set o

Large intestine — Where water is absorbed back into the body and the remaining indigestible food passes to the outside.

(D) Demonstrate their undestanting using the correct structure and function vocabulary to show have a piece of food moves through and provides fuel for the human body — from the time it enters the mount to the time waste learness the color.

Howard Miller



Kate's diagram explaining how a cookie is digested



Emma writing a story about the digestion of broccoli



A group of students practicing their skit on the digestion of a slice of pizza

Student Interest Impacts Algebra Performance

Using personalized math problems not only made it easier for students to understand what was being asked, but also helped boost the confidence of students who may have been intimidated by the subject.

A researcher at SMU surveyed 145 9th graders about their interests in areas such as sports, music, and movies. Then she randomly assigned them to take the linear-equation unit either receiving standard word problems or one of four variations tailored to their interests.

Students who received personalized word problems solved them faster, more accurately, and with more confidence than students who received the standard questions, particularly when it came to translating the story scenarios into symbolic equations. Strongest gains were found for students who were struggling most before the personalization.



Sparks, S. (2012, Sept. 25). Studies find payoff in "personalizing" algebra. Education Week, 32(5), pp. 1, 14-15.

Interest-Based Differentiation Results in Math Achievement Gains

Original Problem

One method for estimating the cost of new home construction is based on One mismator is summing the cost or me. To call ly, the average cost per square foot is estimated to be \$46.50. Sports

You are working at the ticket office for a college football team. Each ticket to the first home football game costs \$46.50. Music

Art
You have been working for the school yearbook, taking pictures and
designing pages, and now it's time for the school to sell the yearbooks for
\$46.50 each.

Games
You work for a Best Buy store that is selling the newest Rock Band game for \$46.50.





A Five Minute Metaphor

The Schmidts had a dog and a cat and two jobs. They were busy, but happy.

When their son Will was born, everything changed. They were happier than they had ever been, but much busier. At first, they felt disoriented—like they didn't know how to make all the parts work.

About 14 months after Will was born, Elizabeth came into their world and the world shifted. Now they had two jobs, a cat and a dog, and two children. They loved all the parts of their life, they felt a bit overwhelmed at first, and the two children were markedly different from one another.

They were quite surprised two years later to find that Mrs. Schmidt was expecting again—and this time, they would bring home triplets. They knew that their gradual and rather stepwise pattern of adjustment when Will and Elizabeth entered their lives would not be adequate for the change ahead.

They loved being parents and were thrilled to be expanding their family by 3—but they freely admitted that they were terrified, too—even though they now felt they understood parenting reasonably well.

The Essential Question for Differentiating Instruction

Materials Time

Me Space Kids

Content

How do I organize the elements I work with so more kids can learn better?

The Other Half of the Metaphor

Let's look at some teachers who lead effectively differentiated



In what ways does their classroom world connect with your conversation about the Schmidts?

In other words, what do they seem to be doing to meet the needs of a room full of kids whose needs differ from one another?

How would it feel if you dropped in on one of their classes? (Familiar?
Disorienting? Chaotic? Productive?)

How do you imagine they feel at the end of a day in school? (More exhausted than you are? Less satisfied with their work than most teachers? Like the effort is worthwhile? Like this is just "how you do school?"

What questions would you like to ask them?

In this clip...



Look for:

- How the teachers think about both leadership & management in their classroom.
- Ways in which their thinking makes it easier to differentiate instruction.
- A common element across teachers that explains why their classrooms run smoothly.
- 4) Your own questions/observations.



What do you see...

about classroom leadership & management here that seems

important in supporting student success?

The Game Plan For Leadership/Management ks 1. Clear & Shared Vision 2. Student-Teacher Partnership 4. Manage Routines & Tasks 5. Rehearse, Revise, Celebrate 6. Goal is Maximizing Student

3. Lead People