











Slide 4

1 I think you do a really great job of setting up the problem in the next slides. lindsay lee, 1/4/2022













Engel et al. 2012 Study

• Given this level of mastery, how many days per month did teachers report spending on this content?

a.4 Days

- b.7 Days
- c. 13 Days d. 19 Days

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avs/month on	
days/month on content measure	
ean SD	
2.70 4.11	
7.68 4.44	
8.61 5.12	
4.38 4.07	
2734	

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PAMELA M. STECKER Clemson University



- Given this level of mastery, how many days per month did teachers report spending on this content?
- Teachers spent an average of <u>13 days per</u> <u>month</u> re-teaching this content
- This was <u>negatively</u> associated with student growth

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What does this Look Like?

What is a "full" MTSS model?

- Strengthen Tier I
- Universally screen & progress monitor for students who might need Tier II
- Figure out what Tier II students need
- Progress monitor for students who might need Tier III

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The traditional gifted education approach:

- 1. Adopt a theoretical definition of giftedness
- 2. Identify the gifted
 - McBee, Peters, & Waterman (2014)
 - McBee, Peters, & Miller (2016)
 - McBee & Makel, 2019
- 3. <u>Provide an educational intervention</u> (if there's any money, time, energy, or political will left)

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The **"Full MTSS"** Approach

- 1. Understand what academic needs are not being met by existing services.
- 2. Create interventions / identify services to meet unmet needs
- Identify those students that have a need for and are likely to flourish in the intervention we've created

Step 1: Needs Assessment

Before the kids arrive in the fall, every grade level

reviews the incoming students with one question

Will this student have his or her needs met

through existing services? If not, what would it

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in mind:

take to challenge her?

Step 1: Needs Assessment

Locate students who have needs not being met by the general curriculum within domains that are served.

- Formative Assessment
- How do we know who is being challenged by the "regular" curriculum?
- This unmet need is why interventions are necessary, not because a child is "gifted"









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Step 2: Provide for Unmet Needs

• Domain specificity as the rule!

Design or select services based on what needs are not being met by existing programming

- 1. <u>There's no such thing as a generic "gifted" or</u> <u>"MTSS" curriculum or service</u>
- 2. Interventions will look different year to year
- 3. Services will look different across schools
- Services will look different depending on a school's population this year

Step 2: Provide for for Unmet Needs

- Domain specificity as the rule!
- <u>The "goodness" or "badness" of a Tier II/III or</u> <u>GT intervention depends solely on whether or</u> <u>not it alleviates an otherwise unmet</u> <u>advanced academic need</u>

....let's play with this rule a bit

Alleviate Need?

- You ID students based on high math scores, high reading scores, or high teacher ratings and then provide them with a creative problem solving curriculum
- You ID students based on language arts / reading PSSA scores and then allow them to participate in Lego League

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One other problem...

• Would...

• Could...

- Should....
- If the answer to all is yes, it's not an appropriate intervention and we shouldn't be restricting access (Harry Passow)

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One other problem...

- We cannot restrict a service or intervention to the "gifted" group unless we have clear evidence that:
- 1. Other students wouldn't want to do it
- 2. Other students wouldn't benefit from it
- 3. Other students should do it
- 4. It's the least intrusive way to provide the service

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Recap

- "Good" MTSS interventions should alleviate otherwise unmet needs

 In areas served by the school
- Kids at the same grade level, even in the same school, are very diverse in their learning needs

 Seven grade levels is typical

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Recap

• The goal is to proactively ID needs that might otherwise go unmet and then create places and/or spaces for those needs to be met



Cluster group and train for Tier I Pull-out, push-in, and subject acceleration for Tier II Specialized classes and full-grade acceleration for Tier III

How do we chop up Sue? S0% work to expand Tier I (e.g. coaching, clustering, and differentiation) 30%Delivering TierII interventions20% Tier IIIDEP Planning

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Things that Influence Tier I

- Alignment: Similarity between common core curriculum, state of PA content standards, and <u>local curriculum</u>
- Reach: Ability of your general education teachers to differentiate
 - Remember, +/- 80% in Tier I

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Things that Influence Tier I Alignment: Similarity between common core

- Alignment: Similarity between common core curriculum, state of PA content standards, and <u>local curriculum</u>
 - Is your school very "average" in terms of need?
 - Are very few of your students more than a grade level or two above or below where they are in school?
 - Is your curriculum aligned to what students are ready to learn?

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1. How far up and down do you think you can effectively differentiate in your classroom?

a.Up and down half a grade-level in content b.Up and down a full grade-level in content c.Up and down two grade-levels in content d.Up and down three grade-levels in content



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Question:

- What are some actions that you could take that would help expand the <u>reach</u> of one or more teachers?
- What could <u>you</u> do to make the blue box bigger in <u>your</u> school?
- Note this isn't really a question related to "gifted" identification per say...









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Requirements!

- Must-haves of cluster grouping:
 - Need to be sure each room is still racially, ethnically, socio-economically diverse
 Not every class will be identical
 - <u>Need to make sure every room has above and</u> <u>below-level kids</u>
 - Need to head off self-fulfilling expectations
 - Need to make sure teachers have the resources necessary to target instruction
 - Need to make sure the content is actually differentiated to meet student needs

Identification findings

The high achieving students were all with [teacher 5A], and we expected more from the students we had. By removing some of the higher kids it may have influenced the others to work harder. . .and maybe teachers expected more because we didn't have the higher students and treated it as a regular classroom and expected the average students to rise to the occasion.

--Teacher 5C

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conngulation									
ID Category	3 ^{ro} grade Clsrm 1	3 rd grade Clsrm 2	3 ^{re} grade Clsrm 3	3 ^{rs} grade Clsrm 4	3 ^{re} grade	3 ^{re} grade Total grade			
High-Achieving	10	10	0	0	0	20			
Above-Average	0	0	7	7	7	21			
Average	0	8	8	8	0	24			
Low-Average	16	0	0	9	0	24			
Low	0	6	10	0	10	26			
Sp. Educ.	0	2*	0	2	4**	10			
Total	26	26	26	26	21	125			

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ID, Placement, Classroom Configuration

- · Class lists / clusters prepared--based on data
- Changes made during placement conference with teachers
- Parent requests, behavior issues, separation issues, and teacher fit issues are addressed
- <u>The goal is to have three or four of the</u> <u>cluster groups represented in each classroom</u> <u>in order to narrow the range of readiness.</u>

Sample Cluster Grouping Configuration ID Category 4th grade 4th grade 4th grade 4th grade ID Category 4th grade 4th grade 4th grade 4th grade High-Achieving 6 0 0 6 Above-Average 0 7 6 13

A	10	10	10	20
Average	10	10	10	30
Low-Average	8	0	6	14
Low	0	8	0	8
Sp. Educ.	1*	0	3**	4
Total	25	25	25	75

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How Groups are Made Placements for next year are made based on test scores (STAR, MAP, Forward, CogAT) or teacher recommendation – whichever results in a higher placement. Tests don't get to hold kids back Teachers can advocate for their students, but

- they can't hold students back
- Cluster placements are re-done each year NO permanent tracking

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Definitions of ID Categories

- 1. High Achieving students are great at both math and reading.
- 2. Above Average Achieving students are good at math and reading or are great at either math or reading.
- 3. Average Achieving students achieve on grade level; they neither struggle nor do they excel.
- 4. Low Average Achieving students struggle slightly with reading and math, or they struggle with either reading or math.
- Low Achieving students find school difficult, they struggle in all academic areas and are at risk of failure.

"Grouping" Research

- Within-class grouping ES = .19 to .30
- Cross Grade Grouping: ES = .26
- Grouping "gifted" students: ES = .37
- Effects did <u>not</u> vary for low, average, or high achieving students

Steenbergen-Hu et al. 2016

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Student Achievement Increases

...when you pull those really high kids out-those who always have their hands up first and jump in with the answers--when you get rid of those students by putting them together in the cluster classroom--the other kids have a chance to shine. They take risks more often, and see themselves as leaders of the group. They are no longer frightened to offer answers.

--Teacher 3E

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Student Achievement Increases

Maybe CG had a lot to do with it. The CG may give the lower achieving students more self-confidence, because I think they become more involved in class when the high achieving kids are removed...you know those high kids are competitive and tend to dominate class sometimes. --Teacher 4C

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Grouping and Student Needs

By using achievement grouping we are able to challenge the high achievers and meet the needs of the low achievers without having either feel like they've been singled out. We are able to adjust our curriculum and instruction to meet the individual needs of the students at their levels. Cluster grouping helps us do this.

--Teacher 3C

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So what do "gifted" tiers look like?

- Tier I not a gifted or a remediation tier - 80% of all students (both ends of diamond)
- This is the general classroom curriculum
- Whatever is "grade-level" or average at your school +/- whomever a teacher can reach / challenge with differentiation
 - This will vary by school, by year, and by teacher
- **Some degree of whole-school cluster grouping seems lime a must for RtI / Tier I to work

Cluster Grouping Resources

- FREE
- <u>http://www.geri.education.purdue.edu/tscg/</u>
- Click on "resources" and "documents"







Tier II – Advanced Side of Diamond

- Pull-Out Programs
- · Push-in by GT resource teachers
- RtI Intervention Periods
- · Subject-specific acceleration
- High Achieving / gifted cluster (in cluster grouping)
- · Independent work / projects
- Curriculum compacting

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Luxemburg-Casco School District

Every year, the 2000-student Luxemburg-Casco School District, located just east of Green Bay, seeks out students who might have already mastered that year's math content and be ready for more. They look at standardized test data they have for all students to see who might be ready, and those who are the highest performers in their grade get further math-specific screening, including the end-of-year math test for the grade they are in as well as next year's grade. For example, a first-grade student would take the end-of-year test for both first- and second-grade math. Students who perform well remain in first grade, but also receive individualized instruction to allow them to cover first- and secondgrade math standards in a single academic year.



Tier III – Advanced Side of Diamond

- Full-grade acceleration
 - Early entrance to college or kindergarten
- Drastic grade acceleration
- Replacement / online courses
- Independent study course / unit replacement
- Differentiated Education Plan (DEP)

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Low-performing example

- Imagine a low-SES, highly diverse school in the country or in an urban area
- Some students had Head Start, some had halfday kindergarten, many have parents who are working >1 job and/or are single parents
- The average math achievement for this school (local norm) is at the 40th percentile of the national norm
- E.g., students are lucky if they complete geometry by graduation (52% proficient +)

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When considering tier, level, or intervention....

- $\cdot \;$ Consider the risk of an incorrect placement
- The kid who needs drastic grade acceleration but doesn't get it (false negative)
- The kid who does not need the Creative Problem Solving program, but is placed in it by accident (false positive)
- The kid who is placed in an AP class even though he or she really doesn't need it (is this a false positive?)

High-Performing Example

- Imagine a high-SES, low-minority school in the suburbs or near a major university.
- Majority of students had private pre-k, go to summer camps, and have parents who are heavily involved
- The average math achievement for this school (local norm) is at the 90th percentile of the national norm
- E.g., kids are taking Algebra in 7th grade
- 95% proficient or advanced in math

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Comparison

- · Which school should have more students in:
- Tier I?
- Tier II?
- Tier III?
- · "Gifted" services?

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When considering tier, level, or intervention....

- The easier it is to take a placement or intervention back, the more inclusive you can be
- The lessor your level of confidence that only advanced learners would benefit from this intervention, the more inclusive you should be
- + Would, could, should....



Free Resources

- <u>A Response to Intervention Perspective on Gifted</u>
 <u>Education</u>
- An Advanced Academic Approach to Curriculum Building
- Advanced Academics: A Model for Gifted Education Without Gifted Students
- A Call to Reframe Gifted Education as Maximizing
 Learning