

Math for the Multilevel Classroom: *Focus on Unit Measurement*

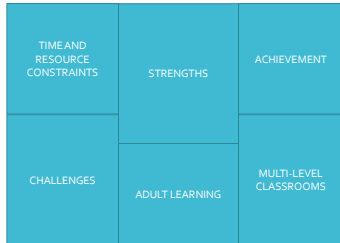
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Instructions:
We'll be wearing stickers to indicate different level learners. Please get a sticker from the facilitator before the presentation begins.

How many of these describe you?

- My students often vary in math skill level, even in the same class.
- Sometimes I have students who forget something that they were able to understand or do yesterday.
- I want to help all of my students, but don't always have time to give everyone the help they need.

The reality of adult education



A few things I've learned

- Strong student voice = learning
- Diversity makes room for learning
- It's the teacher's job to establish a culture of rigor and achievement

My response:

Math for the Multilevel Classroom

Focus on Measurement

Today we will

- Challenge your thinking about options for working with multi-level classrooms
- Experience and reflect on related classroom activities
- Discuss related challenges, possible solutions, and resources

Have you ever measured anything?

Myth-buster

The length of your wingspan is equal to your height.

The number line

- What is it?
- How does it work?
- When do I use it?
- What related vocabulary do I need to know?

Activity

1. Work on your activity. Discuss your thinking and your answers with colleagues at your table. Ask and answer questions until everyone understands.
2. One person from each level will share a solution with the class.

REFLECTION /
DEBRIEF

- Unveil the lesson outline
- Discuss possible challenges and ideas
- Share resources

Math for the
Multi-level
Classroom

Lesson
Outline

1. Intuitive discussion (large group)
2. Hands-on activity (multi-level groupings)
3. Quick big-idea lesson (large group)
4. Level-appropriate activity (leveled groupings)
5. Students share their problem-solving processes and draw conclusions (large group)
6. Exit ticket for formative assessment (individual)

How do you make level differences OK in your classes?

What are some simple ways to get started with these ideas?

What are some resources to support this approach to math for the multi-level classroom?

Use CCRS to find related topics at higher and lower levels

- As a curriculum developer
- As a teacher planning for the next day

Leveled activities can be found in EMPower Plus Series, McGraw Hill

- **Beginning Level Activity**
Everyday Number Sense: Mental Math and Visual Models (p 39 – 41)
- **Intermediate Level Activity**
Using Benchmarks: Fractions and Operations (p 52-53)
- **Advanced Level Activity**
Using Benchmarks: Fractions and Operations (p 126-127)

THANK YOU!

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