USING NON-STANDARD MEASUREMENT PRINCIPLES TO TEACH PERIMETER TO KINDERGARTEN STUDENTS

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EMPACTS Project
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TR Math Structures II
Kindergarten students at Lowell Elementary learned how to measure perimeter using non-standard measurement principles.
Objectives

- The classroom will gain knowledge on ways to measure other than using a standard ruler or tape measure.
- Measuring perimeter will be introduced through activities.
- Rules of perimeter and of non-standard measurement will be learned.
- The lesson will cover section 10.3, but will be adjusted for the kindergarten level.
- Presentation, questions, and in-class activities will be used for reinforcement of skills learned.
- The lesson will be based on Arkansas’ Framework Standards.
- The lesson will complete the non-standard measurement benchmark set at Lowell Elementary for their kindergarten students.
Our Lesson

- Introduce perimeter and tools used to help measure (ruler and tape measure).
- Introduce non-standard tools for measurement (crayons, shoes etc...).
- Student involvement and input on possible tools that could be used to measure perimeter.
- Present the rules of non-standard measurement (same object, same size, and no spaces).
- In-class activities using crayons to measure the perimeter of their desk and using their feet to measure the perimeter of a square and rectangle.
- PBS perimeter video [http://www.youtube.com/watch?v=3hlkRcTmFxY](http://www.youtube.com/watch?v=3hlkRcTmFxY)
- Questions to reinforce skills learned.
Our Experience

- Our group was proficient, orderly, and had great teamwork.
- The students were cooperative and excited. They had fun, and learned new skills and valuable knowledge.
- The teacher was welcoming and appreciated the lesson we taught her class.
Skills Developed

- Teamwork
- Organization
- Time Management
- Communication
Technology

- Internet: Arkansas Frameworks [www.arkansased.org](http://www.arkansased.org), and PBS perimeter video [http://www.youtube.com/watch?v=3hlkRcTmFxY](http://www.youtube.com/watch?v=3hlkRcTmFxY)
- Microsoft PowerPoint
- Camera
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