

Name Rachel Holt

Lesson Plan

Learning Segment Focus Finding and Measuring Height Lesson
 1 of 1

Course & topic addressed Height Date
 Grade 1st

Student Outcomes

Specific learning objectives for this lesson.	Students will be able to measure their height and find how much they are predicted to grow in a year.
Justify how learning tasks are appropriate using examples of students' prior academic learning .	Students will be able to add and solve word problems that involve adding to and comparing.
Justify how learning tasks are appropriate using examples of students' personal, cultural, linguistic, or community assets .	Knowing how to measure objects/height and how to read inches are skills that students can use in years to come.

State Academic Content Standards

List the state academic content standards with which this lesson is aligned. Include abbreviation, number & text of the standard(s).	AR.Math.Content.1.MD.A.2: Express the length of an object as a whole number of length units AR.Math.Content.1.NBT.C.4: Add within 100 using concrete models or drawings, relate the strategy used to a written expression or equation, and be able to explain the reasoning.
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Key Vocabulary

What vocabulary terms/content specific terminology must be addressed for students to master the content?	height, inches, measure, prediction
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Academic Language Support

<p>What are the Academic Language Function(s) (the content and language focus of the learning task represented by the active verbs within the learning objectives/outcomes) and explain how they are utilized in the lesson plan?</p> <p>What planned Academic Language Supports will you use to assist students in their understanding of key academic language to express and develop their content learning and to provide varying supports for students at different levels of Academic Language development? How do these supports address all three Academic Language Demands (vocabulary, syntax, and discourse)?</p>	<p>Functions: Students will <u>compare</u> their height right now to what it is <u>predicted</u> to be in a year.</p> <p>Supports: Students will take turns using a tape measure to <u>measure</u> their height and we will record the information as a class.</p> <p>Demands: Students will learn big vocabulary words such as height and prediction. They will be able to formulate sentences that state what their current height is right now in first grade, compared to the height they are predicted to reach in a year with the addition of 2 inches.</p>
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Materials

Materials needed by teacher for this lesson. (such as books, writing materials, computers, models, colored paper, etc.)	Computer with access to Google Spreadsheet template. Projection and board to project the spreadsheet for the students to see. Tape measure that students can use to find their height.
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Materials needed by students for this lesson. (computers, journals, textbook, etc.)	Pencil and paper to record their measured height and predicted growth.
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Lesson Timeline with Instructional Strategies & Learning Tasks

Amount of Time	Teaching & Learning Activities (This should be a BULLETED LIST)	Describe what YOU (teacher) will be doing and/or what STUDENTS will be doing during this part of the lesson. (This should be VERY DETAILED)
5 minutes	Introduction: Teacher will insert students' names into the template and project in on screen. Teacher will explain that each student will take turns measuring their height with the tape measure, as well as how to properly measure it.	
35 minutes	Instruction: Teacher will help students measure their height and then will record the numbers into the spreadsheet. Students will measure their height and write down that number. Then they will add 2 inches to their height since it is predicted that is how much they will grow within that year. They will call off these numbers so the teacher can include them in the spreadsheet.	<ul style="list-style-type: none"> • Teacher will go around to each student and help them measure their height with the tape measure. • Students will write down their number on their paper. • Once all students have had their turn and have recorded their height, they will take turns calling out their height and teacher will type them into the designated cell on the spreadsheet. • Teacher will explain that is it estimated that children grow 2 inches each year. • Students will add 2 inches to their current height and write down that number. • Students will take turns calling out the new number. • Teacher will record each predicted growth number into the designated cells on the spreadsheet. • Teacher will show and talk about the graphs that the spreadsheet created with their height information.
	Closure: Teacher will summarize what has been learned and that all kinds of objects have height that can be measured similarly.	Students will have practice using and reading a tape measure, as well as develop an understanding for height and what it means. They will learn about inches and predictions.

Accommodations/Modifications

<p>How might I modify instruction for: <i>Remediation?</i> <i>Intervention?</i> <i>IEP/504?</i> <i>LEP/ESL?</i> (All students who have plans mandated by federal and state law.)</p>	<p>For students that may be in a wheelchair or have height that cannot be properly measured, they can find the height of themselves when seated. For students that may have difficulty reading the tape measure or understanding the numbers, the teacher can assist them since they will be going around helping each student measure their height. Students that may have difficulty seeing the projected spreadsheet, they can move closer or can view it on a student issued computer/screen.</p>
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Differentiation

<p>How might you provide a variety of techniques (enhanced scaffolding, explicit instruction, contextualized materials, highlighters/color coding, etc.) to ensure all student needs are met? (All students who are not on specific plans mandated by federal and state law.)</p>	<p>Students will measure themselves with a real tape measure; allowing them to physically see and use a measuring tool. The spreadsheet can be edited to have larger font or highlighted text so the students can better see and read the information.</p>
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Assessments: Formative and/or Summative

<p>Describe the tools/procedures that will be used in this lesson to monitor students' learning of the lesson objective(s) (include type of assessment & what is assessed).</p>	<input checked="" type="checkbox"/> Formative / <input type="checkbox"/> Summative	<p>This activity allows students to learn and practice measuring and finding height.</p>
	<input checked="" type="checkbox"/> Formative / <input type="checkbox"/> Summative	<p>The activity allows the teacher to evaluate student progress and knowledge.</p>
	<input type="checkbox"/> Formative / <input type="checkbox"/> Summative	

Research/Theory

<p>Explain connections to theories and/or research (as well as experts in the field or national organization positions) that support the approach you chose and justify your choices using principles of the connected theories and/or research.</p>	<p>“Eventually young children’s sense of measurement develops to include new skills. They build on their abilities to compare and learn to order three or more objects. They come to understand that objects can be measured in different ways, depending on the attribute of interest.” -Linda M. Platas</p> <p>When children are able to measure objects and understand the concept of measuring, they can further use those skills to learn about comparing and ordering.</p>
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Lesson Reflection/Evaluation

<p>What went well? What changes should be made? How will I use assessment data for next steps?</p>	<p><i>TO BE FILLED IN AFTER TEACHING</i></p>
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Include supporting material such as slides, pictures, copy of textbook, and handouts for any activities students will be using as part of your lesson.

*adapted from: <http://webcache.googleusercontent.com/search?q=cache:EsQcNWuG1ZoJ:web.mnstate.edu/harms/StudentTeachers/edTPA-LessonPlan.doc+&cd=2&hl=en&ct=clnk&gl=us>; <http://www.moreheadstate.edu/getmedia/cd3fd026-939f-4a47-a938-29c06d74ca01/Lesson-Plan-and-Reflections.aspx>;
<http://www.mcneese.edu/f/c/9cb690d2/Lesson%20Plan%20Rubric%20Aligned%20with%20InTASC.docx>; <https://www.uwsp.edu/education/Documents/edTPA/Resource12.pdf>; <https://www.uwsp.edu/education/Documents/edTPA/Resource11.pdf>;
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