

# How Do We Get There? (Entering the Classroom)

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Grade Level: 2nd Grade

Subject: English Language Arts

CT Concept: Algorithms

## STANDARDS

### ELA W5

With guidance and support from adults and peers, focus on a topic and strengthen writing as needed by revising and editing.

## LESSON OBJECTIVES / LEARNING TARGETS

The scholar will be able to recognize the algorithm used to enter the classroom whether on-time or a bit delayed.

I will be able to help create the algorithm to enter the classroom in the morning in the correct order.

## LESSON OUTLINE & DURATION OF MAJOR COMPONENTS

1. Introduce and define algorithm. (Use the Google Slides) (5 min.)
2. Brainstorm algorithms that you use in your everyday life (think pair share) and share with the class if you choose to. (10 min.)
3. Create an algorithm for entering the classroom through a shared writing. (15 min)
4. Test algorithm in small groups (15 min )
5. Debug if necessary - optional: define debugging on day two (TBD) - it is in slideshow, but not necessary for day one

## MATERIALS / CURRICULUM

- PowerPoint (How do we get there?)
- Chart paper or white board
- Markers
- Pictures representing the steps to go through when entering the classroom
- Popsicle sticks to call on scholars (or a way to randomly select)

## VOCABULARY

Algorithm, Accomplish, Represent, Step by Step, Debug (if needed)

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LESSON DESCRIPTION	
WHAT IS THE TEACHER DOING?	WHAT IS THE STUDENT DOING?
Introduction:	
<ul style="list-style-type: none"> <li>• Sit students down at meeting space (Whole group)</li> <li>• Explain that we will be learning about the word algorithm today.</li> <li>• We will learn the words algorithm, accomplish, represent, step by step, and debug.</li> </ul>	
Main Body:	
<p>Introduce and define algorithm. (Use the Google Slides)</p> <ul style="list-style-type: none"> <li>• What is an algorithm? (slide 2-3)</li> <li>• Video helping further define algorithm (linked in slideshow on slide 4)</li> </ul>	
<p>Brainstorm algorithms that you use in your everyday life (slide 4)</p> <ul style="list-style-type: none"> <li>• Turn and talk to a partner about things you do every day that require you to follow specific steps</li> <li>• Share out with the whole class...teacher writing down thoughts (whiteboard or chart paper)</li> <li>• Use check marks for repeated ideas</li> <li>• With reluctant scholars, have them identify one that may already be written that they do</li> </ul>	
<p>Create an algorithm for entering the classroom through a shared writing. (slide 5)</p> <ul style="list-style-type: none"> <li>• What are the steps we take to get into our classroom?</li> <li>• Let's create the algorithm!</li> <li>• Write down what scholars say in order to create the classroom algorithm</li> <li>• After completion, celebrate the creation of our algorithm</li> </ul>	
<ul style="list-style-type: none"> <li>• Test algorithm in small groups (slide 6)</li> <li>• Tell scholars they must follow the algorithm exactly as written</li> <li>• Pull 4 names at random to test the algorithm</li> <li>• Continue until ALL scholars have tested the algorithm</li> </ul>	

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## Ending:

- Ask scholars to think-pair-share their definition of an algorithm.
- Share a few examples with the whole class.
- Extension - Look for algorithms in other subjects/classes/or at home - bring in examples (for more advanced scholars, have them create their own example)

## ASSESSMENT PLAN

### Core Content Assessment:

CT and Core Content assessment are the same

### CT Concept Assessment:

Algorithm Quiz