

Struggling to find a hands-on way to teach that investigations should be replicable by others?

Name: _____

How Far Will the Ball Roll Down the Ramp?

Materials:

- 4 books
- Ruler
- Ball

Procedures:

1. Create a ramp from the 4 books.
2. Roll the ball down the ramp.
3. Using the ruler, measure how far the ball travels.

	Trial 1	Trial 2	Trial 3
Distance			

Did your classmates all create the same ramp? _____

Did your classmates all get the same results? _____

Why do you think there were differences? _____

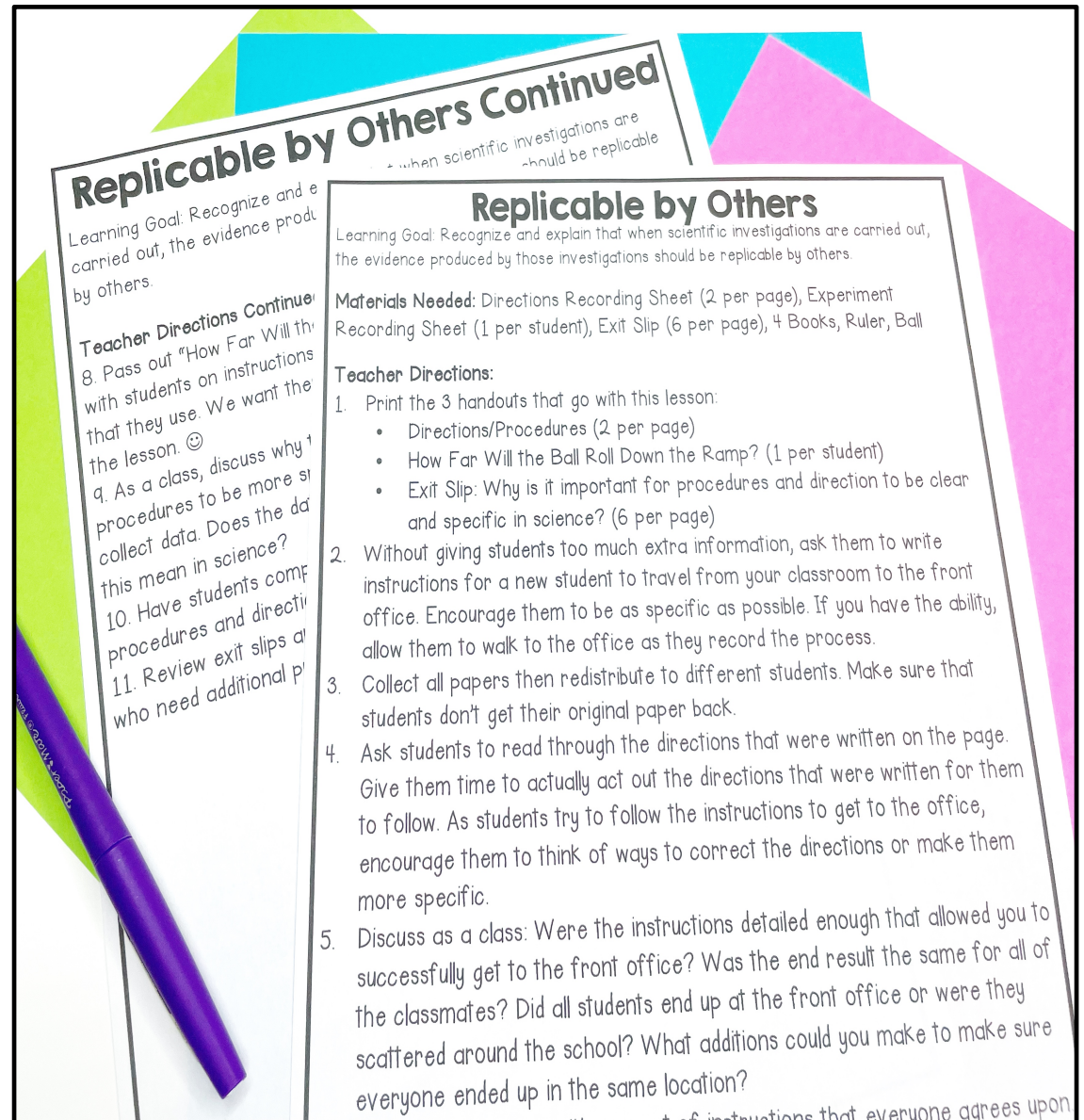
Create a new list of materials and procedures that would help every student complete the exact same investigation.

Draw the ramp you created.

Don't spend any more time planning, searching, or brainstorming. Everything you need is in this easy to use download!

Teacher Directions Page

- Learning Goals
- Materials Needed
- Specific Directions for All Parts of Lesson



Experiment

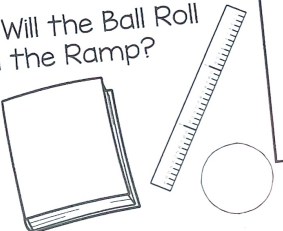
- Recording sheet walks through the experiment process with a focus on the scientific method NOT being used
- How Far Will the Ball Roll Down the Ramp?
 - ✓ Lists Materials Needed
 - ✓ Specific Instructions
 - ✓ Perfect way to show that experiments should be replicable by others

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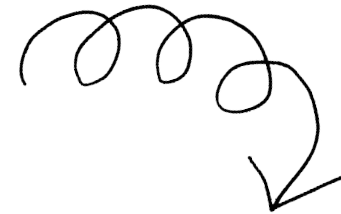
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Quick Assessment

Use this simple exit ticket question to measure your students' learning at the end of the lesson.



BONUS: Includes a Mastery Checklist. You can easily keep track of students who need extra practice and students who are ready to move on to the next lesson in one easy place!

A graphic showing a stack of colorful folders (yellow, blue, pink) with an 'Exit Slip Tracking' sheet and a pink pen resting on it. The sheet has a table with columns for Date, Exit Slip Topic, Students Who Have Shown Mastery, and Students Who Need Additional Review/Practice. A small note is attached to the bottom of the sheet.

Date	Exit Slip Topic	Students Who Have Shown Mastery	Students Who Need Additional Review/Practice

Name: _____

Why is it important for procedures and directions to be clear and specific in science?
