



3rd Grade Science

Enrichment Academies Curriculum Sample

A Grade Ahead's rigorous, 6-month science enrichment program is designed to challenge your child to a higher academic standard. Our monthly curriculum includes science concepts that your child will see in school. Your child will learn and apply science concepts to real-world situations through experiments and develop strong critical thinking and analytical skills.

Each week will have an in-depth **lesson** (which we call Examples) or **experiment, homework, and answers**. In these next pages, we offer a closer look at what our examples, experiments, homework, and answers offer as well as a specific sample of each.



Key Definitions

Key Definitions are available so that your child can easily find the important concepts of the week.



Lesson or experiment pages are titled "Examples – Science: Grade 3," answer pages are titled "Answers – Science: Grade 3," and homework pages are simply titled "Science: Grade 3."

Examples – Science: Grade 3

Scientific Method – Continued: Scientific Set-Up!

Objective: In this experiment, students will use their knowledge of the scientific method to compare two types of disposable plates to see which is better overall based on several characteristics.


Teachers: Make groups of 2 students.

Supplies Needed (per group):

- 2 disposable plates of one type
- 2 disposable plates of another type
- approximately 20 metal spoons or forks (to minimize buying too many of these, you may make stations or have students take turns)
- ¼ cup of water
- 1 tub or bucket (1 total)
- 10 pennies
- 1 permanent marker
- 1 liquid measuring cup

Experiment:

1. Grab one of each type of plate. Write A on one plate and B on the other using the permanent marker.

 and answer questions 1-7 of the Experimentation Exploration in Day 1!

Place Plate A on a hard surface. Place a single spoon on the plate.

Using one hand only, pick up the plate by the edge, and then put it back on the table.

To pick up the plate without the spoon falling, add another spoon to the top of the plate as before. Keep adding spoons one at a time until you cannot pick up the plate without a spoon falling. Take turns with the other student.

Experiment

The 2nd and 4th weeks of each month will contain an experiment in the examples so that your child can apply concepts from the lesson to everyday life.

Examples – Science: Grade 3

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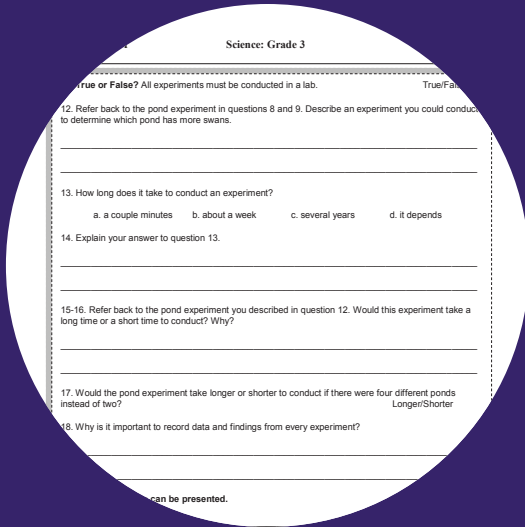
To pick up the plate without the spoon falling, add another spoon to the top of the plate as before. Keep adding spoons one at a time until you cannot pick up the plate without a spoon falling. Take turns with the other student.

Supplies

All supplies your student will need to complete the experiment will be provided in the classroom

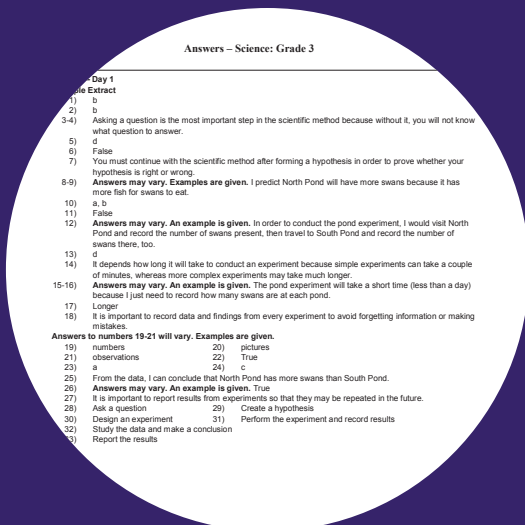


Each day's homework usually takes about 30 minutes to complete.



Homework

The rest of the homework works on your child's understanding of the specific topics that week. This will be through comprehension, critical thinking questions, and vocabulary exercises.



Answers

Answers are provided to check your child's homework and note which areas may need more work.