

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, eperiments, 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 5," answer pages are titled "Answers – Science: Grade 5," and homework pages are simply titled "Science: Grade 5."



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.



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.

s. Why e	the question. do you think it is importar	nt for anyone conducting scientific	research to follow the scientific
method' experim	? In other words, why do ents?	all scientists use the same steps	when conducting research and
Use the	scenarios to answer th	ne questions.	
	Jimm	y's car won't start, so he wants to	try to fix it.
10. Jimr method	ny uses an encyclopedia is he doing?	to look up information about car	engines. Which step of the scientific
	A) reporting results	B) experimentation	C) researching and creating a hypothesis
11. The hypothe	information Jimmy gathe sis for Jimmy.	rs leads him to believe that he ha	is a bad fuel pump. Write a possible
	ny wants to test his hypo	thesis. What would be the control	of his experiment?
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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.



211 D 2 Verifications are experiments that confirm earlier experiments. They are not part of an experiment themselves. 20 A student researching the solar system should use the most necent textbooks available because older textbooks may not include the most necent or accurate information, and this could affect a hypothesis an subsequent experiment.

Answers

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