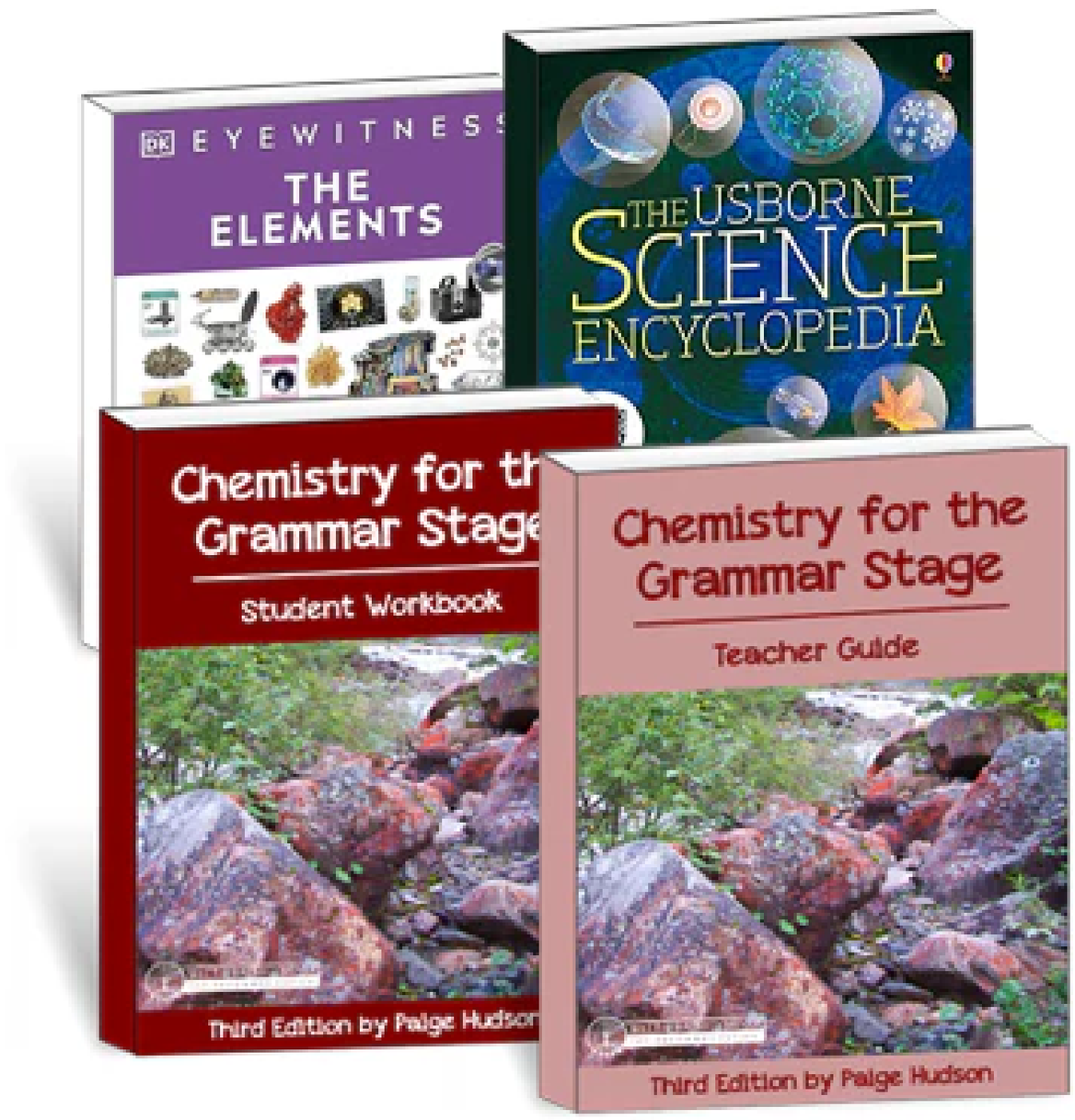
Bridge Charter Academy

K-8 Curriculum Spotlight

Elemental Science

SCIENCE



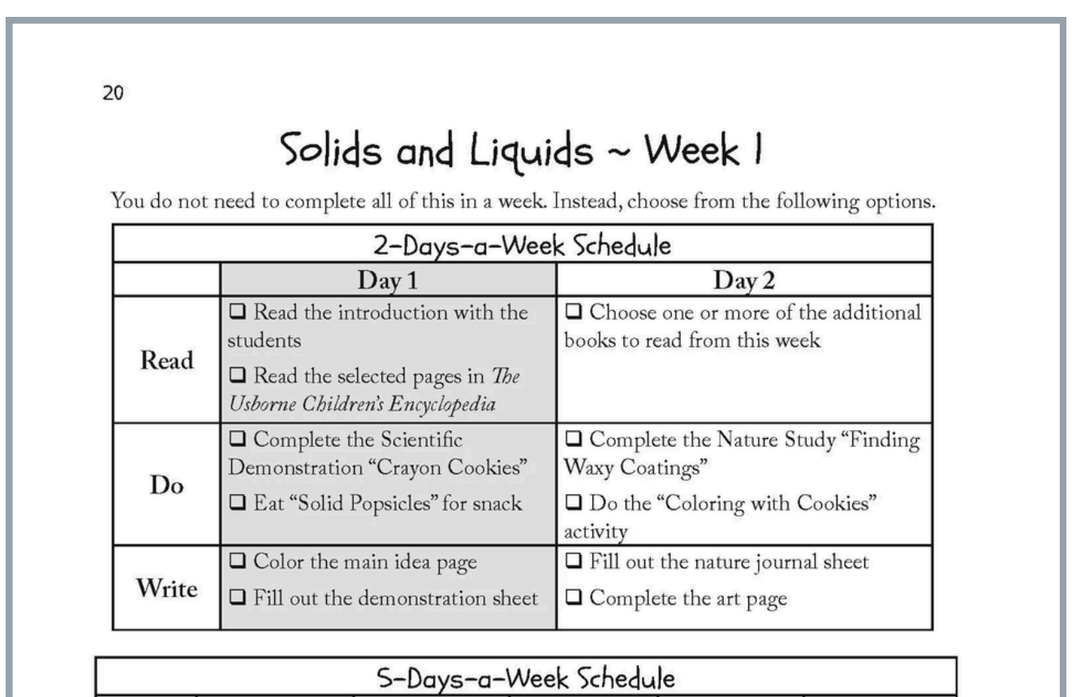
A classical, book-based science program with reading, writing, and experiments

Elemental Science (Classical Series) combines reading, writing, and hands-on experiments to teach science through a structured, year-long plan. Lessons are built around science reference books, with students learning new concepts through reading, vocabulary, narration, and simple labs.

Each week follows a consistent routine that includes reading about science, doing an experiment or activity, and recording what was learned through notebooking or written work.

Curriculum Overview:

- **Grades:** 1–8 (organized by stage/level)
- **Approach:** Classical (reading, writing, and experiments)
- **Subjects:** Biology, Earth Science, Chemistry, Physics (one per year)
- **Structure:** Parent-guided lessons with scheduled plans
- **Lessons:** Reading, vocabulary, narration, labs, and written work
- **Schedule:** Flexible options (2-day or 5-day week)



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Solids and Liquids ~ Week 1

You do not need to complete all of this in a week. Instead, choose from the following options.

2-Days-a-Week Schedule		
	Day 1	Day 2
Read	❑ Read the introduction with the students ❑ Read the selected pages in *The Usborne Children's Encyclopedia*	❑ Choose one or more of the additional books to read from this week
Do	❑ Complete the Scientific Demonstration "Crayon Cookies" ❑ Eat "Solid Popsicles" for snack	❑ Complete the Nature Study "Finding Waxy Coatings" ❑ Do the "Coloring with Cookies" activity
Write	❑ Color the main idea page ❑ Fill out the demonstration sheet	❑ Fill out the nature journal sheet ❑ Complete the art page

5-Days-a-Week Schedule					
	Day 1	Day 2	Day 3	Day 4	Day 5
Read	❑ Read the introduction with the students	❑ Read the selected pages in *The Usborne Children's Encyclopedia*	❑ Choose one or more of the additional books to read from this week	❑ Choose one or more of the additional books to read from this week	
Do	❑ Eat "Solid Popsicles" for snack	❑ Complete the Scientific Demonstration "Crayon Cookies"	❑ Play a game of "Will it melt?"	❑ Do the "Coloring with Cookies" activity	❑ Complete the Nature Study "Finding Waxy Coatings"
Write	❑ Color the main idea page	❑ Fill out the demonstration sheet	❑ Complete the Solid and Liquids Mini-book	❑ Complete the art page	❑ Fill out the nature journal sheet

Intro to Science Unit | Intro to Chemistry ~ Week 1 Solids and Liquids

Elemental Science often works well for families who want a structured science plan that combines multiple ways of learning—reading, hands-on activities, and writing. It can be a good fit for parents who want clear guidance and a full-year path without having to build lessons from scratch.

Because it follows a classical approach, it does include more writing, vocabulary, and notebooking than some science programs. It also requires gathering books and basic supplies for experiments, and younger students will need more parent support, especially in the early stages.

BCA Curriculum Specialist Spotlights

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