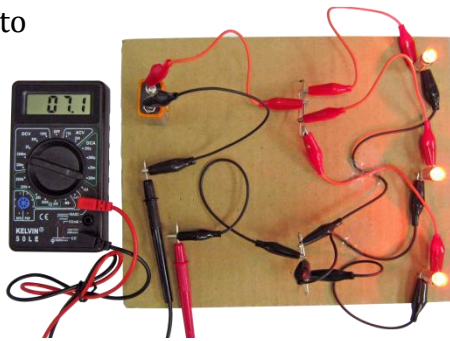


KnowAtom™
Interactive Science Curriculum

Complete STEM Education

The KnowAtom Science System - A combination of curriculum, pedagogy, materials and professional development that work together to advance elementary student knowledge and application of science, engineering and technology.

KnowAtom **curriculum** is engineered to connect students to the many areas that science reaches. Students relate concepts through the Scientific Method by generating data in experiments and testing prototypes built with the Engineering Design Process. The curriculum binder includes teacher background, lesson plans, visual aids and non-fiction readers. Binders are available in both printed and digital formats.



KnowAtom's **pedagogy** helps teachers to use experiments and prototypes to develop student critical thinking in connection with scientific concepts. This full-inquiry approach guides students from a teacher-directed model to becoming self-directed learners. Special emphasis is placed on scientifically formulating data-based conclusions.

KnowAtom's hands-on activities use commonplace **materials** for novel purposes. The experiments and prototypes become tangible artifacts of student learning and success that can often be taken home. All of the consumables needed for the activities are prepared as classroom materials kits.



Professional development workshops show teachers how to create inquiry-based learning environments for science and engineering. Participants discover how to implement the KnowAtom system to produce the most effective discussions and results through inquiry.

Every Teacher Using KnowAtom Receives:

• Curriculum

- ❑ Fun, inquiry-based science, engineering and technology lesson plans
- ❑ Teacher background information covering scientific content
- ❑ Non-fiction student readers
- ❑ Laboratory notebooks (4th and 5th grade)
- ❑ Quizzes and student assessments
- ❑ Digital curriculum for easy access and lesson planning
- ❑ Content that steps pacing unit-to-unit and progression year-to-year

• Prepared Materials

- ❑ Complete set of kits containing consumable and non-consumable materials for each unit
- ❑ Shipped to classroom

• Professional Development

- ❑ Workshops emphasize the use of the scientific method and engineering design process in the classroom.

KnowAtom, LLC
45 Congress St.
Salem, MA 01970

e-mail: info@knowatom.com
call: 617-475-3475 x2006
visit: www.knowatom.com

