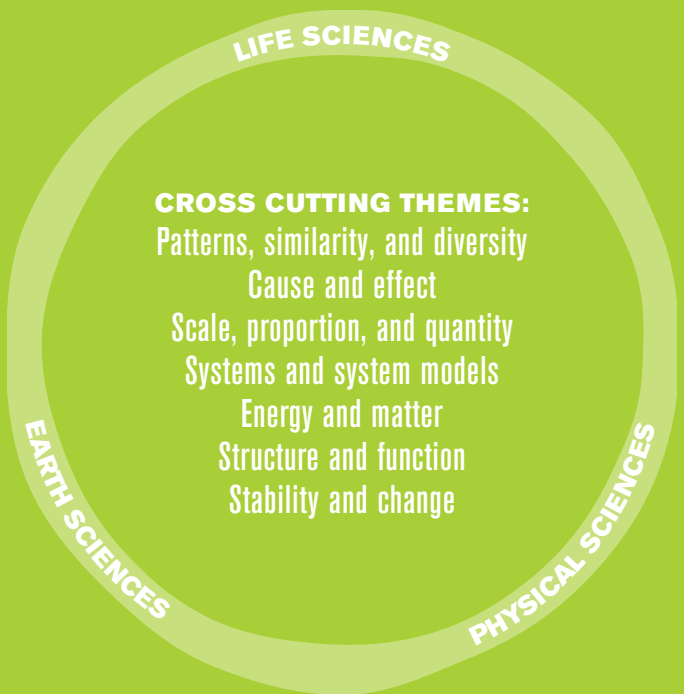
SCIENCE

Spruce Street School students develop the skills and scientific practices to become curious, critical, life-long science learners and problem-solvers. They observe natural phenomena carefully, ask questions, gather data, and articulate ideas and theories based on evidence. They participate actively in a community of student scientists, and continually reexamine and revise their thinking. They apply their scientific learning to real world problems, using science and engineering as vital means of understanding our world and making it a better place.

SPRUCE STREET STUDENTS DEVELOP SKILLS FOR SCIENTIFIC INQUIRY AND ENGINEERING PRACTICES

Students engage in scientific behaviors through open-ended explorations of the world around them and in-depth guided investigations. They use scientific inquiry and engineering practices to design and implement investigations and solve problems by:

- Asking questions and defining problems
- Developing and using models
- Planning and carrying out investigations
- Analyzing and interpreting data
- Using mathematics and computational thinking
- Constructing explanations and designing solutions
- Engaging in argument from evidence
- Obtaining, evaluating, and communicating information



Students focus on each core idea (earth, life, or physical sciences) at least twice during their six years at Spruce Street School. The cross cutting themes occur throughout, helping students make connections between sciences.

YOUNGEST LEVEL
Life and Earth Sciences

MIDDLE LEVEL
Earth and Physical Sciences

OLDEST LEVEL
Physical and Life Sciences

Based on Next Generation Science Standards