JUNIOR HIGH GENERAL ACADEMIC
INVESTIGATION 4
WHAT IS THE RELATIONSHIP BETWEEN RADIOACTIVITY AND RADON?

CCS 3.1 (Reading) All students will understand and apply the knowledge of sounds, letters, and words in written English to become independent and fluent readers, and will read a variety of materials and texts with fluency and comprehension.

G.2 Grade 4 Distinguish cause and effect, fact and opinion, main idea and supporting details in nonfiction texts (e.g., science, social studies).

CCS 4.5 (Mathematical processes) All students will use mathematical processes of problem solving, communication, connections, reasoning, representations, and technology to solve problems and communicate mathematical ideas.

D.3 Grade All Select and use various types of reasoning and methods of proof.

CCS 5.4 (Nature and process of technology) All students will understand the interrelationships between science and technology and develop a conceptual understanding of the nature and process of technology.

B.1 Grade 2 Select and use simple tools and materials to complete a task.

B.1 Grade 4 Demonstrate how measuring instruments are used to gather information in order to design things that work properly.

CCS 5.6 (Chemistry) All students will gain an understanding of the structure and behavior of matter.

A.1 Grade 6 Recognize that about 100 different elements have been identified and most materials on Earth are made of a few of them.

A.1 Grade 8 Know that all matter is composed of atoms that may join together to form molecules.

B.4 Grade 8 Illustrate how atoms are rearranged when substances react, but that the total number of atoms and the total mass of the products remain the same as the original substances.

CCS 5.7 (Physics) All students will gain an understanding of natural laws as they apply to motion, forces, and energy transformations.

B.1 Grade 8 Describe the nature of various forms of energy, including heat, light, sound, chemical, mechanical, and electrical and trace energy transformations from one form to another.