

ELEMENTARY
INVESTIGATION 6
HOW DOES RADON AFFECT ME?

- CCS 3.2** (Writing) All students will write in clear, concise, organized language that varies in content and form for different audiences and purposes.
- B.2 Grade 4 Create narrative pieces, such as memoir or personal narrative that contain description and relate ideas, observations, or recollections of an event or experience.
- CCS 3.3** (Speaking) All students will speak in clear, concise, organized language that varies in content and form for different audiences and purposes.
- B.5 Grade 4 Solve a problem or understand a task through group cooperation.
- D.4 Grade 4 Present a point of view to a large audience.
- CCS 4.2** (Geometry and measurement) All students will develop spatial sense and the ability to use geometric properties, relationships, and measurement to model, describe and analyze phenomena.
- D.1 Grade 2 Directly compare and order objects according to measurable attributes.
- Attributes – length, weight, capacity, time, temperature
- D.3 Grade 2 Select and use appropriate standard and non-standard units of measure and standard measurement tools to solve real-life problems.
- Length – inch, foot, yard, centimeter, meter
 - Weight – pound, gram, kilogram
 - Capacity – pint, quart, liter
 - Time – second, minute, hour, day, week, month, year
 - Temperature – degrees Celsius, degrees Fahrenheit
- D.4 Grade 4 Incorporate estimation in measurement activities (e.g., estimate before measuring).

- CCS 4.3** (Patterns and algebra) All students will represent and analyze relationships among variable quantities and solve problems involving patterns, functions, and algebraic concepts and processes.
- C.1 Grade 4 Recognize and describe change in quantities.
- Graphs representing change over time (e.g., temperature, height)
 - How change in one physical quantity can produce a corresponding change in another (e.g., pitch of a sound depends on the rate of vibration)
- CCS 4.4** (Data analysis, probability, and discrete mathematics) All students will develop an understanding of the concepts and techniques of data analysis, probability, and discrete mathematics, and will use them to model situations, solve problems, and analyze and draw appropriate inferences from data
- A.1 Grade 4 Collect, generate, organize, and display data in response to questions, claims, or curiosity.
- Data collected from the school environment
- A.2 Grade 4 Read, interpret, construct, analyze, generate questions about, and draw inferences from displays of data.
- 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.
- A.3 Grade All Select and apply a variety of appropriate problem-solving strategies (e.g., "try a simpler problem" or "make a diagram") to solve problems.
- A.4 Grade All Pose problems of various types and levels of difficulty.
- A.5 Grade All Monitor their progress and reflect on the process of their problem solving activity.
- CCS 5.3** (Mathematical applications) All students will integrate mathematics as a tool for problem-solving in science, and as a means of expressing and/or modeling scientific theories.
- B.1 Grade 4 Select appropriate measuring instruments based on the degree of precision required.
- D.1 Grade 4 Represent and describe mathematical relationships among variables using:
- graphs
 - tables
 - charts

CCS 5.5 (Characteristics of life) All students will gain an understanding of the structure, characteristics, and basic needs of organisms and will investigate the diversity of life.

A.1 Grade 2 Investigate the basic needs of humans and other organisms.