HIGH SCHOOL EARTH SCIENCE
INVESTIGATION 7
HOW MUCH RADON IS AROUND YOU?

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.
A.6 Grade 6	Identify, describe, and draw the faces or shadows (projections) of three-dimensional geometric objects from different perspectives.
A.7 Grade 6	Identify a three-dimensional shape with given projections (top, front and side views).
A.8 Grade 6	Identify a three-dimensional shape with a given net (i.e., a flat pattern that folds into a 3D shape).
D.6 Grade 8	Solve problems that involve compound measurement units, such as speed (miles per hour), air pressure (pounds per square inch), and population density (persons per square mile).
A.4 Grade 12	Use reasoning and some form of proof to verify or refute conjectures and theorems.

· Verification or refutation of proposed proofs
· Simple proofs involving congruent triangles
· Counter examples to incorrect conjectures

CCS 5.1	(Scientific Processes) All students will develop problem-solving, decision-making and inquiry skills, reflected by formulating usable questions and hypotheses, planning experiments, conducting systematic observations, interpreting and analyzing data, drawing conclusions, and communicating results.
A.1 Grade 12	When making decisions, evaluate conclusions, weigh evidence, and recognize that arguments may not have equal merit.
B.1 Grade 12	Select and use appropriate instrumentation to design and conduct investigations.