

TEKS covered in Weather class

STAAR

Science :

5.1 A: demonstrate safe practices and the use of safety equipment as described in the Texas Safety Standards during classroom and outdoor investigations; and

5.2 A: describe, plan, and implement simple experimental investigations testing one variable;

5.2 B: ask well-defined questions, formulate testable hypotheses, and select and use appropriate equipment and technology;

5.2 C: collect information by detailed observations and accurate measuring;

5.2 D: analyze and interpret information to construct reasonable explanations from direct (observed) and indirect (inferred) evidence;

5.2 E: demonstrate that repeated investigations may increase the reliability of results;

5.2 F: communicate valid conclusions in [both] written [and verbal] form[s]; and

5.3 A: in all fields of science, analyze, evaluate, and critique scientific explanations by using empirical evidence, logical reasoning, and experimental and observational testing, including examining all sides of scientific evidence of those scientific explanations, so as to encourage critical thinking by the student;

5.3 C: draw or develop a model that represents how something works or looks that cannot be seen such as how a soda dispensing machine works; and

5.4 A: collect, record, and analyze information using tools, including calculators, microscopes, cameras, computers, hand lenses, metric rulers, Celsius thermometers, prisms, mirrors, pan balances, triple beam balances, spring scales, graduated cylinders, beakers, hot plates, meter sticks, magnets, collecting nets, and notebooks; timing devices, including clocks and stopwatches; and materials to support observations of habitats or organisms such as terrariums and aquariums; and

5.8 A: differentiate between weather and climate;

5.8 B: explain how the Sun and the ocean interact in the water cycle;

Math:

5.10 A: simple conversions within the same measurement system (SI (metric) or customary);

5.10 C: select and use appropriate units and formulas to measure length, perimeter, area, and volume

5.11 A: solve problems involving changes in temperature;