

Basic Life Science Knowledge and Skills

Topic	Green	Blue	Black
What is Science (Vocabulary)	Student explains what science is, can name the two types of science, and matches the branches of science to the definitions.	Student explains what science is, can explain the difference between the two types of science and can explain what the branches are.	Student explains what science is, what the branches are, what the types of science are, and can break the words into their roots and suffixes.
Observations and Inferences	Student can identify which statements are inferences and observations for a given picture.	Student can identify which statements are inferences and observations, and write their own inferences.	Student can make a list of observations and inferences for a given picture.
The Elements of Life	Student can describe what features all living things must have.	Student makes a persuasive argument for why a non-living thing could be considered living.	Student can describe an experiment that would determine whether or not something is living.
Scientific Illustration	Student can copy a picture, using the 5 basic elements of shape.	Student can draw a real life object using the 5 basic elements of shape and color.	Student can draw a real life object using the 5 basic elements of shape, color, and shading.
Measurement (and estimation)	Student accurately estimates and measures length, volume, mass and temperature of 4 basic objects, and record the information using the correct notation.	Student accurately estimates and measures length, volume, mass and temperature of 4 complicated objects and can show the differences between their estimations and actual measurements.	Student accurately estimates and measures length, volume, mass and temperature of 4 complicated objects and tells how one might measure objects such as a puddle.
The Bean and Corn Lab	Student can record 1 measurement for the seeds; make 1 daily observation; make 2 basic drawings.	Student can record 2 measurements for the seeds, make 2 daily observations; make 2 before and after, color pictures	Student can record 3 measurements for the seeds, make 2 daily observations and several inferences; make 2 before and after, shaded and color pictures.