Investigator (Life Science Standards)

MS-LS1-2
I can use models to show how parts of cells contribute to the function of the whole.

MS-LS3-2
I can compare the effect of asexual and sexual reproduction on genetic variation.

MS-LS1-6
I can explain the role of photosynthesis in the cycling of matter and flow of energy.

MS-LS1-7
I can describe how cellular respiration rearranges food molecules to provide energy.

MS-LS3-1
I can use models to describe how mutations affect structure and function of organisms.

MS-LS4-4
I can explain how genetic variations of traits in a population increase an individual's chances of successful reproduction.

MS-LS4-5
I can explain how technology has changed the inheritance of traits in living things.

Investigator (Earth Science Standards)

MS-ESS2-2
I can explain the various ways geoscience processes have changed Earth's surface.

MS-ESS2-3
I can use data to explain past plate motions.

MS-ESS3-2
I can analyze data on natural hazards to forecast future events.

MS-ESS1-4
I can explain how rock strata is used to organize Earth's history.

MS-ESS3-5
I can use evidence to show how humans have impacted the rise in global temperatures.

MS-ESS3-4
I can use evidence to explain how humans use of natural resources has impacted earth environments.

Investigator (Physical Science Standards)

MS-PS1-1
I can use models to show the atomic composition of molecules.

MS-PS3-4
I can plan an investigation to show the relationship between energy, matter, mass and kinetic energy.

MS-PS2-3
I can use data to show factors that affect strength of electric and magnetic forces.

MS-PS1-1
I can use models to show the atomic composition of molecules.

MS-PS1-5
I can use models to describe how mass is conserved in a chemical reaction.

MS-PS1-6
I can test and describe how thermal energy can be released or absorbed by chemical processes.

MS-PS1-2
I can use data to determine if a chemical reaction has occurred.