5th Grade Learning Progression Scales

Learning Goal:	Identify a control group and explain its importance in an experiment.
Standard(s):	**SC.5.N.1.4** Identify a control group and explain its importance in an experiment.
DOK	Level 2: Basic Application of Skills and Concepts

Scale		Sample Progress Monitoring Assessment Activities
4.0	In addition to 3.0, in-depth inferences and applications that go beyond what was taught the student is able to: - I can design and use a procedure for a scientific investigation, identify and control the variables, and include a control group along with the tested groups. - I can explain the outcome of the investigation, including the differences between the tested groups and the control group.	Student is able to develop a procedure for an investigation, control the variables, and compare the results to the control group. Student will then share results with peers in a presentation.
3.0 Target	- I can identify a control group and explain its importance in an experiment. The student exhibits no major errors or omissions.	Student is able to manipulate the variable in an experiment and compare the results to the control group.
2.0	There are no major errors or omission regarding the simpler details and processes; however, the student exhibits major errors or omissions regarding the more complex ideas and processes. - I can identify a procedure for a scientific investigation, and the experimental groups in the investigation.	Student is able to perform a procedure and manipulate the variable.
1.0	With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes the student is able to: - I can formulate scientifically investigable questions and identify the variables that would affect the outcome.	Student is able to label scientifically investigable questions.