5th Grade Learning Progression Scales

Learning Goal:	Investigate and describe that the more mass an object has, the less effect a given force will have on the object's motion.	
Standard(s):	**SC.5.P.13.3**	
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 develop an investigation to prove the effect mass has on the amount of force necessary to affect an object's motion. I can then explain the results of my investigation.	Students are able to design an investigation to demonstrate the effect of an object's mass in relation to the amount of force needed to move the object. Students will explain the results of their investigation.
3.0 Target	The student understands and is able to: I can investigate and explain that the more mass an object has, the less effect a force will have on the object's motion. The student exhibits no major errors or omissions.	Students will investigate the effect a given force has on objects of varying mass. Students will explain the effect of a force on objects of varying mass.
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 explain that the more mass an object has, the more force it will take to move the object. The student is able to:	Students will describe the relationship between an object's mass and the force needed to move the object.
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: With help I can identify that objects with greater mass will need more force to move them.	Students can order objects from least to greatest amount of force needed to move the objects.