5th Grade Learning Progression Scales

Learning Goal:	**I can demonstrate and explain that mixtures of solids can be separated based on observable properties.**	
Standard(s):	**SC.5.P.8.3 Demonstrate and explain that mixtures of solids can be separated based on observable properties of their parts such as particle size, shape, color, and magnetic attraction. (DOK 2)**	
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 use various plastic pieces to develop a better understanding of the physical properties of solids. I will then apply this knowledge to see how it relates to everyday life	Cpalms Lesson- http://www.cpalms.org/Public/PreviewResource/Preview/30411 Students will be able to separate, classify, and describe the properties of a mixture of plastic pieces (solids) based on different physical properties such as color, shape, size, volume, mass, density, texture, transmission of light.
3.0 Target	The student understands and is able to: I can demonstrate and explain that mixtures of solids can be separated based on observable properties of their parts such as particle size, shape, color and magnetic attraction. The student exhibits no major errors or omissions.	Cpalms Lesson http://www.cpalms.org/Public/PreviewResource/Preview/46326 I can explore samples to determine properties of components of mixtures. Over the course of the exploration, the teacher will guide the students to discover what sets a solution apart.
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. The student is able to: I can compare how different substances dissolve in water by utilizing the scientific process to recognize the differences between a solid and a mixture.	Cpalms Lesson: http://www.cpalms.org/Public/PreviewResource/Preview/46735 Students will listen to an audio about mixtures and solutions, take notes and think, pair share with a partner. Then students will complete an experiment with controlled and independent variables.
1.0	I can identify how mixtures can be separated by creating a graphic organizer and identifying observable properties such as particle size, shape, color, and magnetic attraction.	Teacher will model a mixture of a substance and students will note observable properties on a graphic organizer.