KINDERGARTEN SCIENCE CURRICULUM

	Suggested Time Line *How much time will be spent of this learning?*	**Essential Questions and Content** *What will be taught? (broken down by chapter/section)*	**NJCCC Standards** *What state standards will be met by these objectives?*	**Instructional Objectives** *The students will be able to…*	**Assessment** *What evidence will I collect that demonstrates that the students have achieved the objective?*	**Instructional Domain** *How will the learning be structured*	**Instructional Activities** *What will the students do to achieve the objective?*
Unit C- Looking at the Earth and Sky							
Lesson 1		What can you see on the earth?	5.7-C.1 5.7-D.1	1. Observe and describe the properties of rocks, soil, and water 2. Observe and describe landforms that can be found on the earth's surface. 3. Identify resources from the earth and recognize that many of these resources can be conserved	• Written Reviews and Tests • Classroom observations • Ongoing lesson assessment • Performance assessment • Portfolio assessment • Lesson activities • Open ended questions • Critical thinking questions • Group discussion • Written and oral tests and quizzes • Projects • Self Assessment • Presentations • Rubrics	• Differentiated instruction • Flexible Grouping • Overhead • Graphic Organizers • Teacher modeling • Guided and independent reading • Guided and independent writing • Conferencing • Technology • Direct Instruction	• Observe • Classify • Measure • Communicate • Infer • Predict • Collect, record, and interpret data • Make hypotheses • Experiment • Making and using models • PODs • Discussions • Cooperative Learning Activities • Word Wall Vocabulary • Graphic Organizers • Critical Viewing and Listening

Lesson 2		What can you see in the daytime sky?	5.7-D.1 5.9-A.2 5.9-B.1	1. Observe and describe objects in the daytime sky	• Written Reviews and Tests • Classroom observations • Ongoing lesson assessment • Performance assessment • Portfolio assessment • Lesson activities • Open ended questions • Critical thinking questions • Group discussion • Written and oral tests and quizzes • Projects • Self Assessment • Presentations • Rubrics	• Differentiated instruction • Flexible Grouping • Overhead • Graphic Organizers • Teacher modeling • Guided and independent reading • Guided and independent writing • Conferencing • Technology • Direct Instruction	• Observe • Classify • Measure • Communicate • Infer • Predict • Collect, record, and interpret data • Make hypotheses • Experiment • Making and using models • POD's • Discussions • Cooperative Learning Activities • Word Wall Vocabulary • Graphic Organizers • Critical Viewing and Listening
Lesson 3		How does the sun seem to move?	5.7-D.1 5.9-A.2 5.9-B.1	1. Observe that the sun is in different places in the sky at different times of the day	• Written Reviews and Tests • Classroom observations • Ongoing lesson assessment • Performance assessment • Portfolio assessment • Lesson activities • Open ended questions • Critical thinking questions • Group discussion • Written and oral tests and quizzes • Projects • Self Assessment • Presentations • Rubrics	• Differentiated instruction • Flexible Grouping • Overhead • Graphic Organizers • Teacher modeling • Guided and independent reading • Guided and independent writing • Conferencing • Technology • Direct Instruction	• Observe • Classify • Measure • Communicate • Infer • Predict • Collect, record, and interpret data • Make hypotheses • Experiment • Making and using models • PODs • Discussions • Cooperative Learning Activities • Word Wall Vocabulary • Graphic Organizers • Critical Viewing and Listening

Lesson 4		What does the earth get from the sun?	5.9-A.1	1. Infer that the sun provides light and heat to the earth	• Written Reviews and Tests • Classroom observations • Ongoing lesson assessment • Performance assessment • Portfolio assessment • Lesson activities • Open ended questions • Critical thinking questions • Group discussion • Written and oral tests and quizzes • Projects • Self Assessment • Presentations • Rubrics	• Differentiated instruction • Flexible Grouping • Overhead • Graphic Organizers • Teacher modeling • Guided and independent reading • Guided and independent writing • Conferencing • Technology • Direct Instruction	• Observe • Classify • Measure • Communicate • Infer • Predict • Collect, record, and interpret data • Make hypotheses • Experiment • Making and using models • PODs • Discussions • Cooperative Learning Activities • Word Wall Vocabulary • Graphic Organizers • Critical Viewing and Listening
Lesson 5		How does weather change with each season?	5.7-B.3 5.7-B.4	1. Observe and record weather conditions from day to day. 2. Infer that changes in the weather form day to day and over seasons affect people and the earth.	• Written Reviews and Tests • Classroom observations • Ongoing lesson assessment • Performance assessment • Portfolio assessment • Lesson activities • Open ended questions • Critical thinking questions • Group discussion • Written and oral tests and quizzes • Projects • Self Assessment • Presentations • Rubrics	• Differentiated instruction • Flexible Grouping • Overhead • Graphic Organizers • Teacher modeling • Guided and independent reading • Guided and independent writing • Conferencing • Technology • Direct Instruction	• Observe • Classify • Measure • Communicate • Infer • Predict • Collect, record, and interpret data • Make hypotheses • Experiment • Making and using models • PODs • Discussions • Cooperative Learning Activities • Word Wall Vocabulary • Graphic Organizers • Critical Viewing and Listening

Lesson 6		How does the moon seem to change	5.9-B.1	1. Observe the apparent changes in the shape of the moon on different days	• Written Reviews and Tests • Classroom observations • Ongoing lesson assessment • Performance assessment • Portfolio assessment • Lesson activities • Open ended questions • Critical thinking questions • Group discussion • Written and oral tests and quizzes • Projects • Self Assessment • Presentations • Rubrics	• Differentiated instruction • Flexible Grouping • Overhead • Graphic Organizers • Teacher modeling • Guided and independent reading • Guided and independent writing • Conferencing • Technology • Direct Instruction	• Observe • Classify • Measure • Communicate • Infer • Predict • Collect, record, and interpret data • Make hypotheses • Experiment • Making and using models • PODs • Discussions • Cooperative Learning Activities • Word Wall Vocabulary • Graphic Organizers • Critical Viewing and Listening
Lesson 7		What is the surface of the moon like	5.7-D.1	1. Observe various features that appear on the surface of the moon 2. Discover the causes of some of the features on the surface of the moon	• Written Reviews and Tests • Classroom observations • Ongoing lesson assessment • Performance assessment • Portfolio assessment • Lesson activities • Open ended questions • Critical thinking questions • Group discussion • Written and oral tests and quizzes • Projects • Self Assessment • Presentations • Rubrics	• Differentiated instruction • Flexible Grouping • Overhead • Graphic Organizers • Teacher modeling • Guided and independent reading • Guided and independent writing • Conferencing • Technology • Direct Instruction	• Observe • Classify • Measure • Communicate • Infer • Predict • Collect, record, and interpret data • Make hypotheses • Experiment • Making and using models • PODs • Discussions • Cooperative Learning Activities • Word Wall Vocabulary • Graphic Organizers • Critical Viewing and Listening

Lesson 8		What can you see in the night sky?	5.7-D.1 5.9-A.2 5.9-C.1	1. Conclude that there are many starts in the night sky 2. Infer that stars, except for the sun, can only be seen at night	• Written Reviews and Tests • Classroom observations • Ongoing lesson assessment • Performance assessment • Portfolio assessment • Lesson activities • Open ended questions • Critical thinking questions • Group discussion • Written and oral tests and quizzes • Projects • Self Assessment • Presentations • Rubrics	• Differentiated instruction • Flexible Grouping • Overhead • Graphic Organizers • Teacher modeling • Guided and independent reading • Guided and independent writing • Conferencing • Technology • Direct Instruction	• Observe • Classify • Measure • Communicate • Infer • Predict • Collect, record, and interpret data • Make hypotheses • Experiment • Making and using models • PODs • Discussions • Cooperative Learning Activities • Word Wall Vocabulary • Graphic Organizers • Critical Viewing and Listening
Lesson 9		What patterns can you see in the night sky?	5.7-D.1 5.9-A.2 5.9-C.1 5.9-C.2	1. Infer that some stars, called constellations, appear to form patterns in the night sky	• Written Reviews and Tests • Classroom observations • Ongoing lesson assessment • Performance assessment • Portfolio assessment • Lesson activities • Open ended questions • Critical thinking questions • Group discussion • Written and oral tests and quizzes • Projects • Self Assessment • Presentations • Rubrics	• Differentiated instruction • Flexible Grouping • Overhead • Graphic Organizers • Teacher modeling • Guided and independent reading • Guided and independent writing • Conferencing • Technology • Direct Instruction	• Observe • Classify • Measure • Communicate • Infer • Predict • Collect, record, and interpret data • Make hypotheses • Experiment • Making and using models • PODs • Discussions • Cooperative Learning Activities • Word Wall Vocabulary • Graphic Organizers • Critical Viewing and Listening