

Arizona Early Learning Standards rev. 2018	Teaching Strategies GOLD Objectives	STAR Lessons and Activities	Themes First Lessons	Routine Essentials Lessons
<b>SCIENCE</b>				
<b>Strand 1: Scientific Inquiry and Application</b>				
<b>Concept 1: Exploration, Observation and Hypothesis</b>				
a. Exhibits curiosity about objects, living things, and other natural events in the environment.	24. Uses scientific inquiry skills 25. Demonstrates knowledge of the characteristics of living things 26. Demonstrates knowledge of the physical properties of objects and materials	L2 Receptive Language Lesson 1, 2 L3 Play & Social Interaction Lesson 4	Group Work: Science	
b. Identifies attributes of objects, living things, and natural events in the environment.	25. Demonstrates knowledge of the characteristics of living things 26. Demonstrates knowledge of the physical properties of	L3 Receptive Language Lesson 3	Group Work: Science	Independent Work Systems
c. Describes changes in objects, living things, and natural events in the environment.	25. Demonstrates knowledge of the characteristics of living things 26. Demonstrates knowledge of the physical properties of objects and materials	L3 Expressive Language Lesson 3, 4	Group Work: Science	
d. Begins to describe the similarities, differences and relationships between objects, living things and natural events.	12. Remembers and connects experiences 12b. Makes connections 13. Uses classification skills	L2 Receptive Language Lesson 7 L3 Expressive Language Lesson 3, 4	Group Work: Science	
e. Asks and responds to questions about relationships of objects, living things, and events in the natural environment.	24. Uses scientific inquiry skills 37. Demonstrates progress in listening to and understanding English 38. Demonstrates progress in speaking English	L3 Spontaneous Language Lesson 3	Group Work: Science	Independent Work Systems

<b>Concept 2: Investigation</b>				
a. Uses a variety of tools and materials to investigate.	28. Uses tools and other technology to perform tasks	L3 Functional Routines 5, 16	Group Work: Science	Independent Work Systems
b. Makes predictions and researches hypotheses through active investigation.	24. Uses scientific inquiry skills 38. Demonstrates progress in speaking English	L3 Expressive Language Lesson 3, 4 L3 Functional Routines 5, 16	Group Work: Science	
c. Adjusts their approach if results are different than expected and continues testing.	11. Demonstrates positive approaches to learning 11e. Shows flexibility and inventiveness in thinking 24. Uses scientific inquiry skills	L3 Functional Routines 5, 16	Group Work: Science	Independent Work Systems
d. Persists with an investigation.	11. Demonstrates positive approaches to learning 11b. Persists 24. Uses scientific inquiry skills	L3 Functional Routines 5, 16	Group Work: Science	

<b>Concept 3: Analysis and Conclusion</b>				
a. Uses a variety of materials to record and organize data.	24. Uses scientific inquiry skills 38. Demonstrates progress in speaking English	L3 Pre-academic Lesson 14-17	Group Work: Science	
b. Identifies cause and effect relationships.	24. Uses scientific inquiry skills 38. Demonstrates progress in speaking English	L3 Receptive Language Lesson 3, 4	Group Work: Science	Independent Work Systems
c. Constructs theories to explain their investigations.	24. Uses scientific inquiry skills	L3 Spontaneous Language 1-3	Group Work: Science	

<b>Concept 4: Communication</b>				
a. Displays and interprets data.	24. Uses scientific inquiry skills 28. Uses tools and other technology to perform tasks 37. Demonstrates progress in listening to and understanding English	L3 Pre-academic Lesson 14-17	Group Work: Science	Independent Work Systems
b. Presents their scientific ideas in a variety of ways.	24. Uses scientific inquiry skills 28. Uses tools and other technology to perform tasks	L3 Functional Routines 5, 16 L3 Pre-academic Lesson 14-17	Group Work: Science	
c. Conducts further investigation based on prior experience and information gained.	24. Uses scientific inquiry skills 38. Demonstrates progress in speaking English	L3 Functional Routines 5, 16	Group Work: Science	