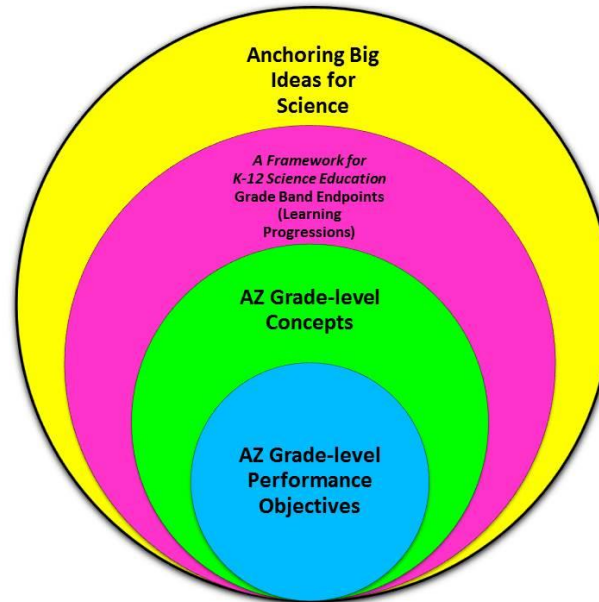


### 3-D Science Concept Organizer

Arizona's Science Standard was designed to build understanding of specific concepts at each grade level. The performance objectives were designed as measurable stepping stones and achievement points to reach as students developed understanding of each grade-level concept; they were not intended to be taught in isolation, nor are they required to be taught sequentially. Strands 1-3 were specifically designed to be taught in conjunction with Strands 4-6.



The ADE has created two documents – [Learning Progressions for K-5 Science](#) and [Learning Progressions for 6-12 Science](#) – that map the links between learning progressions (based on grade band endpoints in *A Framework for K-12 Science Education*), Arizona's concepts, and 14 big ideas in science. Our goal with these documents is to provide additional clarity on how to “connect the dots” when teaching Arizona's Science Standard. When thinking about the performance objectives you teach at your grade level, framing them with the grade band endpoints and learning progressions of the *Framework* helps connect the small discrete pieces of information into a bigger picture of science understanding.

The Concept Organizer below is designed to use as a planning guide for developing lessons and/or units that incorporates a three-dimensional shift in science instruction that uses performance objectives to develop conceptual understanding to grade-level big ideas.

# 3-D Science Concept Organizer

<b>Phenomena or anchoring event:</b>
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<b>Big Idea(s):</b>
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<b>Strand:</b>	<b>Concept(s):</b>	<b>Grade Band Endpoints from Disciplinary Core Ideas Learning Progression</b>
<b>Arizona Performance Objectives:</b>		

## 3-D Science Concept Organizer

<b>Strand 1 – Inquiry Process</b>  <b>Arizona Performance Objectives:</b>	<b>Grade Band Endpoints from Science and Engineering Practices Learning Progressions</b>
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<b>Unifying Concepts:</b>	<b>Grade Band Endpoints from Crosscutting Concepts Learning Progressions</b>
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## 3-D Science Concept Organizer

<b>Connections</b>	
<b>Strand 2: History and Nature of Science</b>	
<b>Strand 3: Science in Personal and Social Perspective</b>	
<b>Other Content Standards:</b>	

<b>References</b>	
<b>Prerequisites or Co-requisite Performance Objectives (Background Knowledge)</b>	
<b>Materials and Resources</b>	
<b>Assessments</b>	