

# Guidance for Administrators: What to Look For in a 3-Dimensional Science Classroom- Webinar Dashboard

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[ADE Science Standards Page](#) | [ADE Science Resource Page](#) | [ADE Science & STEM Professional Learning](#)

1	General Resources	<ul style="list-style-type: none"> <li>⊕ Presentation PDF: <a href="#">PDF of Slides</a></li> <li>⊕ Recommended Book: <a href="#">Helping Students Make Sense of the World</a></li> </ul>
2	AzSS Implementation Timeline	<ul style="list-style-type: none"> <li>⊕ <a href="#">Implementation Timeline- Updated</a></li> </ul>
3	Research from the National Academies of Science, Engineering, and Medicine (NASEM)	<ul style="list-style-type: none"> <li>⊕ NASEM Reports at <a href="http://www.nap.edu">www.nap.edu</a></li> <li>⊕ <a href="#">Synthesis of Research from How People Learn- Key Findings</a></li> </ul>
4	Classroom Case Study- Ms. Sheridan and Ms. Lee	<ul style="list-style-type: none"> <li>⊕ <a href="#">Moon Phase Vignettes (make a copy)</a></li> </ul>
5	Shifts in Instruction- More of/Less of	<ul style="list-style-type: none"> <li>⊕ <a href="#">New Vision for Science Education 1-Pager on Shifts</a></li> </ul>
6	Research Used to Develop the 2018 Arizona Science Standards	<ul style="list-style-type: none"> <li>⊕ <a href="#">PDF- K-12 Framework for Science Education</a></li> <li>⊕ <a href="#">PDF- Working with Big Ideas of Science Education</a></li> </ul>
7	Become Familiar with the AzSS 3-Dimensions Structure	<ul style="list-style-type: none"> <li>⊕ <a href="#">AzSS 3-Dimensional Snapshot for Educators &amp; Administrators</a></li> </ul>
8	Teaching Channel Video on the 3-Dimensions	<ul style="list-style-type: none"> <li>⊕ <a href="#">NGSS: A Vision for K-12 Science Education</a></li> </ul>
9	Video on How Science Works- Moving Away from Scientific Method	<ul style="list-style-type: none"> <li>⊕ <a href="#">Science in Action: How Science Works from California Academy of Sciences</a></li> </ul>
10	STT #32- Why focus on science and engineering practices--and not "inquiry?" Why is "the scientific method" mistaken?	<ul style="list-style-type: none"> <li>⊕ <a href="#">STEM Teaching Tool #32 PDF</a></li> </ul>
11	STT #46- How to define meaningful daily learning objectives for science investigations	<ul style="list-style-type: none"> <li>⊕ <a href="#">STEM Teaching Tool #46 PDF</a></li> </ul>
12	Vertical Progressions for Science & Engineering Practices	<ul style="list-style-type: none"> <li>⊕ <a href="#">Vertical Progressions for Science and Engineering Practices</a></li> </ul>
13	Vertical Progressions for Crosscutting Concepts	<ul style="list-style-type: none"> <li>⊕ <a href="#">Vertical Progressions for Crosscutting Concepts</a></li> </ul>
14	What to Look For in a 3-Dimensional Science Classroom – Guidance for Administrators	<ul style="list-style-type: none"> <li>⊕ <a href="#">ADE Guidance for Administrators- What to Look For Doc</a></li> </ul>
15	Productive Talk- Talk Moves Checklist for Supporting Student Discourse	<ul style="list-style-type: none"> <li>⊕ <a href="#">Talk Moves Checklist</a></li> </ul>
16	STT #4- Are there multiple instructional models that fit with the science and engineering practices in NGSS? (Short answer: Yes.)	<ul style="list-style-type: none"> <li>⊕ <a href="#">STEM Teaching Tool #4 PDF</a></li> </ul>
17	AzSCI Assessment Website- links to Resource Suite & Sample Items/Test	<ul style="list-style-type: none"> <li>⊕ <a href="#">AzSCI Assessment Website</a></li> </ul>