

# CTE Remote Delivery


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# Virtual “Hands-on” Experience

- ❖ <https://zspace.com/careerteched/>
- ❖ Best Practices
  - ❖ We can create funding structures that incentivize institutions to adopt new technologies
  - ❖ Encourage school districts to partner with 2-year and community colleges to coordinate course offerings and technology
  - ❖ Work with community leaders to ensure learners are aware of course offerings available and that learners have access to programs virtually
  - ❖ Leverage the same technology used to deliver online/remote CTE content to students for teacher professional development

# Resources for Teachers



## MATCHING TECHNOLOGY TO COMPONENTS OF INSTRUCTION

<p><b>Focus and "Chunk" Text</b></p> <ul style="list-style-type: none"> <li>◦ <a href="#">LINK</a> to larger amounts of text</li> </ul> <p><b>Set-up For Navigation and Cognitive Load</b></p> <ul style="list-style-type: none"> <li>◦ <a href="#">Adaptive Release</a></li> <li>◦ <a href="#">Folders</a></li> <li>◦ <a href="#">Accessibility</a></li> </ul> <p><b>Create Your Own Demos</b></p> <ul style="list-style-type: none"> <li>◦ <a href="#">Mediasite</a></li> <li>◦ <a href="#">H5P</a></li> <li>◦ <a href="#">Adobe Products</a></li> <li>◦ <a href="#">Lightboard</a></li> <li>◦ <a href="#">Nearpod</a></li> <li>◦ <a href="#">PowerPoint</a></li> </ul> <p><b>External Sources</b></p> <ul style="list-style-type: none"> <li>◦ <a href="#">YouTube</a> (industry experts)</li> <li>◦ <a href="#">LinkedIn Learning</a></li> <li>◦ <a href="#">OER</a></li> </ul> <div style="border: 1px solid white; background-color: #fff9c4; padding: 5px; margin-top: 10px;"> <p style="text-align: center; margin: 0;"><b>VIDEO TIPS</b></p> <ul style="list-style-type: none"> <li>• Keep videos to 6 minute segments</li> <li>• Utilize a script</li> <li>• Caption utilizing Mediasite/YouTube AI</li> <li>• "Nudge" students toward action with video content</li> </ul> </div>	<p><b>Instructor-Led</b></p> <p><b>Blackboard Tools</b></p> <ul style="list-style-type: none"> <li>◦ <a href="#">Wikis</a></li> <li>◦ <a href="#">Groups</a></li> <li>◦ <a href="#">Discussion Boards</a></li> <li>◦ <a href="#">Peer Assessment</a></li> </ul> <p><b>External Resources</b></p> <ul style="list-style-type: none"> <li>◦ <a href="#">Flipgrid</a></li> <li>◦ <a href="#">Padlet</a></li> <li>◦ <a href="#">VoiceThread</a></li> <li>◦ <a href="#">Remind</a></li> <li>◦ <a href="#">Slack</a></li> </ul>	<p><b>Student-Paced</b></p> <p><b>Blackboard Tools</b></p> <ul style="list-style-type: none"> <li>◦ <a href="#">Wikis</a></li> <li>◦ <a href="#">Groups</a></li> </ul> <p><b>External Resources</b></p> <ul style="list-style-type: none"> <li>◦ <a href="#">Google Docs</a></li> <li>◦ <a href="#">Microsoft OneDrive</a></li> </ul>
<p><b>Timely, Meaningful, and Personalized Feedback</b></p> <p><b>Blackboard Tools</b></p> <ul style="list-style-type: none"> <li>◦ <a href="#">Rubrics</a></li> <li>◦ <a href="#">Recorded Feedback</a></li> <li>◦ <a href="#">Inline Grading/Annotation</a></li> </ul> <p><b>Virtual Office Hours</b></p> <ul style="list-style-type: none"> <li>◦ <a href="#">Webex</a></li> </ul> <p><b>External Sources</b></p> <ul style="list-style-type: none"> <li>◦ <a href="#">Remind</a></li> <li>◦ <a href="#">Slack</a></li> <li>◦ <a href="#">Microsoft OneDrive</a></li> <li>◦ <a href="#">Mediasite</a></li> </ul> <div style="border: 1px solid white; background-color: #fff9c4; padding: 5px; margin-top: 10px;"> <p style="text-align: center; margin: 0;"><b>FEEDBACK TIPS</b></p> <ul style="list-style-type: none"> <li>• Respond to student questions/work within 48 hrs.</li> <li>• At least 1 opportunity each week to receive feedback</li> </ul> </div>		
<b>Connecting to The Content</b>	<b>Connecting to Their Peers</b>	<b>Connecting to The Instructor</b>

# Montana!

- ❖ Missoula College – Precision Machining faculty, Jeffrey John, personally rebuilt two computers to make sure everyone in his class had access to required programs to be successful in his class
- ❖ MSU Northern – Electrical faculty conducted synchronous WebEx lectures with students and created YouTube videos for lab assignments. All plumbing students have been placed in job sites for completion of lab objectives
- ❖ Great Falls College – EMT, Paramedic, ASN and PN students all utilized simulation as a substitute for clinical hours. Industrial Technician students took advantage of the library of eLearning courses from Amatrol

# Equity

- ❖ While the delivery of instruction is top of mind for educators, equity concerns continue to be addressed with delivery of other critical supports
  - ❖ Access to technology
  - ❖ Mental health supports
- ❖ Now more than ever we need to commit to advancing quality, access and equity in CTE – equity gaps will continue to deepen