



PD · ON · DEMAND

SCIENCE



OVERVIEW OF THE STANDARDS: 3 DIMENSIONS OF SCIENCE

Overview of the Standards	<ul style="list-style-type: none"> Note Page for Direct Instruction Video Direct Instruction Video Overview Scavenger Hunt Activity Additional Resources:<ul style="list-style-type: none">2018 MS CCRS for ScienceNRC's Framework for K-12 Science Education (Free PDF)Report Brief: NRC's Framework for K-12 Science Education
Disciplinary Core Ideas (DCIs)	<ul style="list-style-type: none"> Note Page for Direct Instruction Video Direct Instruction Video DCIs Concept Map of Content Activity and Example Additional Resources:<ul style="list-style-type: none">DCIs for Grades K-8Content Focus of DCI Topics
Crosscutting Concepts (CCCs)	<ul style="list-style-type: none"> Note Page for Direct Instruction Video Direct Instruction Video Launch Lessons with CCCs Activity Additional Resources:<ul style="list-style-type: none">Crosscutting Concepts Grade Band ReferenceCrosscutting Concepts PromptsCrosscutting Concepts Resources

**Science and
Engineering
Practices
(SEPs)**



[Note Page for Direct Instruction Video](#)



[Direct Instruction Video](#)



[SEPs Reflection Activity](#)



Additional Resources:

- [SEPs General Descriptions](#)
- [SEPs Grade Band Reference](#)
- [Distinguishing Practices in Science from Those in Engineering](#)

For additional questions regarding the content of this PD on Demand, please contact Dr. Kevin Gaylor at kgaylor@mdek12.org.

To request professional development for your school or district, please contact Amy Pinkerton at apinkerton@mdek12.org.