

## Goals

In this intermediate-level workshop, participants will:

1. build familiarity with the seven Crosscutting Concepts (CCCs).
2. Gain ideas for how to align their current science curriculum to NGSS by making small, meaningful shifts that weave in the CCCs

## Spotlight on the Crosscutting Concepts

| Day 1   | Day 2   | Day 3   |
|---|---|---|
| <p>Welcome and overview of workshop*</p> <p>Part 1: Background of the CCCs</p> <ul style="list-style-type: none"> <li>• Brief review of NGSS structure</li> <li>• Brainstorm and sorting activity: How might your current science curriculum be connected to the Crosscutting Concepts?</li> </ul> <p>Part 2: CCC model lessons (45 min per lesson)</p> <ul style="list-style-type: none"> <li>• Energy and matter</li> <li>• Cause and effect</li> </ul> <p>Part 3: Grade-level planning time and coaching session</p> <p>Conclusion</p> <ul style="list-style-type: none"> <li>• Closing reflections</li> <li>• Participants complete feedback cards</li> </ul> | <p>Welcome back, overview of Day 2</p> <p>Part 1: Using CCCs as a lens for science content</p> <ul style="list-style-type: none"> <li>• Discussion: matching CCCs to content</li> <li>• Museum-floor activity: connecting exhibits to the CCCs</li> </ul> <p>Part 2: CCC model lessons (45 min per lesson)</p> <ul style="list-style-type: none"> <li>• Scale, proportion, and quantity</li> <li>• Systems and system models</li> <li>• Patterns</li> </ul> <p>Part 3: Grade-level planning time and coaching session</p> <p>Conclusion</p> <ul style="list-style-type: none"> <li>• Closing reflections</li> <li>• Participants complete feedback cards</li> </ul> | <p>Welcome back, overview of Day 2</p> <p>Part 1: Translating CCCs into cross-curricular contexts</p> <ul style="list-style-type: none"> <li>• Grade-level activity: teams connect a CCC to Math, ELA, and Social Studies</li> </ul> <p>Part 2: CCC model lessons (45 min per lesson)</p> <ul style="list-style-type: none"> <li>• Stability and change</li> <li>• Structure and function</li> </ul> <p>Part 3: Grade-level planning time and coaching session</p> <p>Part 4: Conclusion</p> <ul style="list-style-type: none"> <li>• Redesigned units showcase and celebration</li> <li>• Closing reflections</li> <li>• Participants complete feedback cards</li> </ul> |

*\*Each day runs from 9:30am - 3:30pm and includes a morning break and 45 minute lunch.*