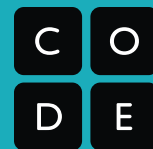


Agenda for Phase 2 of Computer Science in Science



Phase 2: Blended Summer Study

	Time	Activity
Day 1	8:00 – 8:30	Registration and Breakfast
	8:30 – 4:00	<p>Welcome/Introductions/Logistics/Agenda</p> <p>Review Phase 1; Preview Phases 2 & 3</p> <p>Module 1 – Introduction to Computer Modeling and Simulation</p> <p>Lessons 1 – 6: Complex Adaptive Systems & model build sequence</p> <p>Teacher practice: guiding model specification</p> <p>Teacher practice: guiding the creation of models</p> <p>Teacher Lesson Work Time</p> <p>Debrief and online reflections</p> <p>Wrap-up</p>
Day 2	8:00 – 8:30	Registration and Breakfast
	8:30 – 4:00	<p>Welcome and Daily Overview</p> <p>Computational Science Cycle</p> <p>Use-Modify-Create trajectory</p> <p>Scientific practices with computer models</p> <p>Pedagogy and Best practices from Project GUTS</p> <p>Teacher Practice: guiding the observation of computer models</p> <p>Teacher Practice: guiding the development of experimental designs</p> <p>Teacher Practice: guiding the use models to conduct experiments</p> <p>Debrief and online reflections</p> <p>Wrap-up</p>
Day 3	8:00 – 8:30	Registration and Breakfast
	8:30 – 4:00	<p>Welcome and Daily Overview</p> <p>Groupings by discipline: Earth Science, Life Science, Physical Science</p> <p>Modules 2, 3, and 4 in small groups</p> <p>Teacher Lessons Activity and base models</p> <p>Teacher Practice: guiding decoding of abstractions</p> <p>Teacher Practice: guiding the modification of models</p> <p>Teacher Practice: guiding the development of experimental designs</p> <p>Teacher Practice: guiding the use of models to conduct experiments</p> <p>Teacher Practice: customizing models to reflect local phenomena</p> <p>Debrief and online reflection</p> <p>Wrap-up; Final reflections and Evaluation</p>