

Summary of the BSCS 5E / 7E Instructional Model Template

Phase	Summary
Elicit (and Engage)	The teacher or a curriculum task accesses the learners' prior knowledge and helps them become engaged in a new concept through the use of short activities that promote curiosity, generate enthusiasm and elicit prior knowledge. The activity should make connections between past and present learning experiences, expose prior conceptions, and organize students' thinking toward the learning outcomes of current activities.
Explore	Exploration experiences provide students with a common base of activities within which current concepts (i.e., misconceptions), processes, and skills are identified and conceptual change is facilitated. Learners may complete lab activities that help them use prior knowledge to generate new ideas, explore questions and possibilities, and design and conduct a preliminary investigation.
Explain	The explanation phase focuses students' attention on a particular aspect of their engagement and exploration experiences and provides opportunities to demonstrate their conceptual understanding, process skills, or behaviors. This phase also provides opportunities for teachers to directly introduce a concept, process, or skill. Learners explain their understanding of the concept. An explanation from the teacher or the curriculum may guide them toward a deeper understanding, which is a critical part of this phase.
Elaborate	Teachers challenge and extend students' conceptual understanding and skills. Through new experiences, the students develop deeper and broader understanding, more information, and adequate skills. Students apply their understanding of the concept by conducting additional activities.
Evaluate (and Extend)	The evaluation phase encourages students to assess their understanding and abilities and provides opportunities for teachers to evaluate student progress toward achieving the educational objectives. Students are challenged to explore further questions that they have and extend their understanding.

Adapted from: <http://www.cesa2.org/STEM/ngss/BSCS%205E%20Instructional%20Model%20-%20Summary.docx>.

BSCS 5E / 7E Instructional Model Template

Phase	Summary
Elicit (and Engage)	
Explore	
Explain	
Elaborate	
Evaluate (and Extend)	

7E Ideas from <http://its-about-time.com/htmls/ap/eisenkrafttst.pdf>