



Rational for Prioritized SEEd Pacing Guides 2020-2021

SEEd Implementation Year 1

The 2020-2021 school year marks Year 1 with implementation of the **Science with Engineering Education Standards in K-5**. As we have anticipated this tremendous step forward in science education, we realize the need to balance SEEd Standards implementation with current realities in our local community: the uncertainty of school learning environments this coming year, and the interruption in providing scheduled face-to-face professional learning during summer 2020 to support teachers around the SEEd Standards. To this end, we have designed ***Prioritized SEEd Pacing Guides for 2020-2021***.

Prioritization of Standards

The K-5 SEEd Standards that are included in the ***Prioritized SEEd Pacing Guides for 2020-2021*** are those standards that will be the most realistic to support in multiple instructional environments, including face to face, blended learning and remote learning. Teachers may extend instruction beyond the prioritized pacing guides as needed. Our intention is to ensure that all teachers have the time, resources, and support needed to begin implementing three-dimensional instruction in the elementary classroom, and that all students have access to three-dimensional instruction throughout the 2020-2021 school year.

New Standards Require Shifts in Science Instruction

The new SEEd Standards are fundamentally different than any prior standards for elementary science for the following reasons:

- SEEd Standards contain the three-dimensions of science, including:
 - Science and Engineering Practices
 - Crosscutting Concepts
 - Disciplinary Core Ideas.
- SEEd Standards are built on *A Framework for K-12 Science Education* (National Research Council, 2012) and contain learning progressions for each of the three dimensions across K-12 science education.
- Three-dimensional instruction includes shifting from “telling about” to “figuring out” which is a fundamental shift for many elementary science classrooms
- Student-sensemaking requires phenomenon-driven science instruction, also a fundamental shift for many elementary science classrooms

We hope the ***Prioritized SEEd Pacing Guides for 2020-2021*** will support our teachers and students as they begin the exciting adventure of three-dimensional science learning with SEEd Standards!