

# 2018-19

## Professional Learning Opportunities in Science

Change the way students experience science by building capacity of educators to implement the Next Generation Science Standards.

### The Next Generation Science Standards (NGSS)

represent a vision for education where students, over multiple years of school, deepen their understanding of core ideas in science and engineering through active engagement with science and engineering practices and application of crosscutting concepts (NRC Framework, 2012). Achieving this vision will require major shifts in the way that science is taught and valued in K-12 classrooms.

**Effective implementation of NGSS** requires sustained professional learning to build the capacity of teachers and leaders. Providing teachers initial exposure and time to deepen their understanding of the standards is a start. The complex and challenging work of planning and teaching science, having students explain phenomena, and assessing student learning in a three-dimensional way, will require changes in teacher beliefs, content knowledge, and pedagogical skills.

### The San Diego County Office of Education (SDCOE)

**Science team** offers a variety of events and professional learning to help educators learn about and deepen understanding of NGSS and environmental literacy, plan science instruction, develop assessments, and evaluate materials for alignment to the new standards. These services are designed to support and build the capacity of districts and schools implementing the NGSS.

### Register for Science Events and Professional Learning at:



[www.sdcoe.net/science](http://www.sdcoe.net/science)



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*Participants who attend science events or professional learning may be photographed and videotaped for use in promotional and/or news materials.*

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