

5th Grade Water Education Distance Learning Program

Summary Fall 2020

Sonoma Water's 5th grade program's overarching theme is Healthy Water comes from Healthy Watersheds. We will be exploring the story and journey of our water and salmon and how we can make a difference in caring for our watershed. The program is composed of a series of four 30 minute live Zoom lessons. Each lesson is preceded by a pre-lesson and followed up with a post-lesson on the four lesson topics. All our lessons and supporting materials (i.e. videos, readings, and other resources) will be available on our website (www.sonomawater.org/grade5) and through our google classroom platform.

5th grade lesson topics:

1. Exploring our Local Ecosystem: The Russian River Watershed
2. Water quality for Salmon
3. Our Water System: Where does our water come from?
4. Making a Difference: Conservation and Caring for our Watershed

Each lesson has the following components:

- An inquiry-based essential question
- Student learning objectives
- Next Generation Science Standards (NGSS) alignment
- A Social Emotional Learning (SEL) standard
- Lesson plans and supporting materials available for the pre-lessons, distance learning synchronous lessons, and post-lessons. Covid-19 safety protocols and procedures for students, parents, and teachers.

Next Generation Science Standards (NGSS) :

Our 5th grade program seeks to support you in aligning with NGSS. Each topic will focus on specific areas of the NGSS three-dimensional learning model that includes. Science and Engineering Practices (SEP), Cross-Cutting Concepts (CCC), and Disciplinary Core Ideas (DCI). ([see DCI arrangements for NGSS 5th grade pages 37 to 45](#))

- **5-LS2 Ecosystems:** Interactions, Energy, and Dynamics
- **5-ESS2 Earth's Systems 5-ESS2-1** - Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.
- **5-ESS3-1 Earth and Human Activity** - Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.