**Third Grade Pacing Guide for POW!**

* All lesson materials will be linked and digital when possible. Some materials for students to do investigations/activities in class or at home will need to be provided.
* If you would like to edit the slide decks to meet your classroom needs, please make a copy first so the original copy remains intact.
* Lesson review worksheets / google forms can be sent home as homework (they are not included in lesson time estimates).

**POW! Suggested Pacing Guide**

| Schedule |  | |
| --- | --- | --- |
| Week One  (January) | * [Introduction Video](https://youtu.be/Zy13kRjKC3k) - for students   + 2 minutes * Pre-lesson slide deck - Exploring and Growing in our Comfort Zones (SEL)   + 15 minutes   + Materials:     - Notebook/piece of paper     - Writing tool | * Lesson 1a: Water in Nature   + 20 minutes   + Materials:     - Teacher Lesson Plan     - Slide deck     - Sort It Out! Activity Sheet / Slides in slide deck     - Scissors (don’t need if using virtual activity in slide deck) |
| Week Two | * Lesson 1b: Water in Nature   + 20 minutes   + Materials:     - Teacher Lesson Plan     - Slide deck     - Water dropper     - Notebook/piece of paper     - Writing tool | * Lesson 2a: Water Moving in a Watershed   + 30 minutes   + Materials:     - Teacher Lesson Plan     - Slide deck     - Watershed Scavenger Hunt worksheet / google form |
| Week Three | * Lesson 2b: Water Moving in a Watershed   + 20 minutes   + Materials:     - Teacher Lesson Plan     - Slide deck     - [Watershed demonstration video](https://youtu.be/QsEc9PCqWQQ)     - Water dropper     - Water cup     - Lesson Review worksheet / google form | * Bonus Lesson: Making a Trout’s Habitat   + 20 minutes   + Teach this lesson after your tank has been set up, but before you have received eggs (if you don’t have your own tank, teach lesson at the end of January)   + Slide Deck   + Do activity together as a class   + Activity answer key   + [Video of trout tank setup](https://youtu.be/YFi91PMWJ1U) |
| Week Four | * Lesson 3a: Local Natural Hazards   + 25 minutes   + Materials:     - Teacher Lesson Plan     - Slide deck | * Lesson 3b: Local Natural Hazards   + 30 minutes reading/slide deck, plus 15 minutes activity   + Materials:     - Teacher Lesson Plan     - Slide deck     - [Flooding time lapse video](https://youtu.be/JzHXsmKXf_U)     - Paper/notebook and writing tool     - Lesson Review worksheet / google form |
| Week Five  (February) | * Lesson 4: The Water Cycle   + 25 minutes, plus 15 minutes independent reading   + Materials:     - Teacher Lesson Plan     - Slide deck     - [Activity setup video](https://youtu.be/6u6Go7jV6Gs)     - 3 clear cups (either per student, for each group, or per class where teacher demos)     - Tape     - Water     - Lesson Review worksheet / google form | * Bonus Lesson: Life Cycle of a Steelhead Trout   + 20 minutes   + Slide Deck   + Do activities in slide deck together as a class   + Life cycle order activity answer key   + Watershed location of life stage answer key |
| Week Six | * Lesson 5a: Water Conservation   + 30 minutes   + Materials:     - Teacher Lesson Plan     - Slide deck     - [Video of Lesson 4 Activity Review](https://youtu.be/ytXsLDnqh9k) | * Lesson 5b: Water Conservation   + 20 minutes, plus 20 minutes for activity at home   + Materials:     - Teacher Lesson Plan     - Slide deck     - [Video of activity](https://youtu.be/n0UnlaLU1mM) - brush your teeth     - At home activity materials       * Worksheet /google form and writing tool       * A measuring cup (or a cup with a known amount of liquid it can hold in liters)       * Toothbrush       * Sink     - Lesson Review worksheet / google form |
| Week Seven | * Lesson 6: Exploring with iNaturalist   + 25 minutes   + Materials:     - Slide deck     - Access to the web (iInnovate lab iPads)     - Activity worksheet / google form     - [Activity walkthrough video](https://youtu.be/jaIXxu-SnfM) | * Bonus Lesson: Trout Updates   + 15 minutes   + Materials:     - Slide deck     - [Video of trout](https://youtu.be/Umt8kmxvFaw)     - [Link to CLC website](https://creeklands.org/projects/protecting-our-watersheds-environmental-literacy/) for live streaming webcams   Great for teachers participating in POW but do not have a trout tank in their classroom. This info is from 2021, but is still great to show how quickly they grow and review life stages! |
| Week Eight | Trout Observations / catch-up/review   * See extra resources below! | Lesson catch-up/review |
| Week Nine  (March) | * Lesson 7: The Story of GoldiLox   + 25 minutes   + Materials:     - Slide deck     - Pre-reading worksheet / google form     - [Video of GoldiLox reading](https://youtu.be/84WxySBuIKg) / pdf of GoldiLox story if teacher/guest wants to read to class in person.     - Post-reading worksheet / google form | * Lesson 8a & b: Local Habitats   + 25 minutes   + Materials:     - Slide deck     - Find My Habitat Activity- Plant Answer Key (Activity in Slide deck Part B) |
| Week Ten | * Lesson 8c: Local Habitats   + 25 minutes   + Materials:     - Slide deck     - Find My Habitat Activity - Animal Answer Key (Activity in Slide deck Part C) | * Bonus Lesson: Fish Anatomy   + 20 minutes   + Slide Deck   + Do activity together as a class   + Activity answer key |
| Weeks Eleven-Thirteen (March/April) | Trout Observations and Field Trip (To occur before spring break - based on CDFW permit release date requirements) | Lesson catch-up/review  \*Extra resources available-listed below |
| Week Fourteen  (April/May) | Lesson 9: Litter Timeline   * + 20 minute   + Materials:     - Slide deck | Lesson 9: Litter Timeline ACTIVITY   * + 30 minute   + Materials:     - Litter Cards printed     - Litter Timeline Answer Key     - Habits for Habitats Worksheet |
| Week Fifteen | Lesson 10: Letter Campaign   * + 45 minute   + Materials:     - Slide deck     - Thinking About Litter Worksheet     - Brainstorming Worksheet     - Litter Letter Template | Lesson 10: Letter Campaign ACTIVITY   * + 15 minute   + Materials:     - Data Collection Sheet     - Trash pickers/gloves     - Trash bags/cans/buckets |

**\*Extra Resources:**

* Additional CDFW Resources
* Coloring Pages - Trout Life in the Wild
* Poster - Don’t let it loose! Explains why we can release these trout into the wild but should not release pets into the wild
* Trout Drawing Outline - Could be potential art activity
* Trout Hat Activity
* When will they hatch? Worksheet