**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