



Reef Pulse:

A hands-on/minds-on marine science curriculum for Hawaii

Unit 1: MATTER! FROM ATOMS TO ELECTRICITY

- Lesson 1: Atoms Everywhere
- Lesson 2: States of Matter
- Lesson 3: Light Matters
- Lesson 4: Electrical Energy

Unit 2: WATER! FROM WAVES TO WEATHER

- Lesson 1: Wave Energy
- Lesson 2: Heat Energy
- Lesson 3: Water Cycle and Energy
- Lesson 4: Weather Exploration

Unit 3: ZOOM! FROM EARTH TO HABITATS

- Lesson 1: All Sorts of Sorting
- Lesson 2: Biomes and Ecosystems
- Lesson 3: Habitats
- Lesson 4: Scientific Exploration

Unit 4: EXPLORE! FROM SKY TO SEA

- Lesson 1: Sun
- Lesson 2: Rotate and Revolve
- Lesson 3: Moon and Stars
- Lesson 4: Human Exploration

Unit 5: ALIVE! FROM ALGAE TO ZOOPLANKTON

- Lesson 1: Alive or Not?
- Lesson 2: Alive and Eating
- Lesson 3: Alive and Breathing
- Lesson 4: Alive and Defending
- Lesson 5: Alive and Growing
- Lesson 6: Marine Vertebrates
- Lesson 7: Marine Invertebrates
- Lesson 8: Marine Producers

Unit 6: ENERGY! FROM FORCES TO FOOD

- Lesson 1: Mechanical Energy
- Lesson 2: Chemical Energy
- Lesson 3: Food Chain
- Lesson 4: Food Chain and Us