



Castro Valley Sanitary District's Third Grade 4Rs Field Trip Content Standards Correlations – Grade 3

The one hour and forty-five minute third grade field trip to the Castro Valley Sanitary District consists of an introduction to the 4Rs – *Reduce, Reuse, Recycle and Rot* concept, a viewing of the film *Doing the 4Rs*, and a hands-on recycled paper-making activity. Students learn how to create less garbage through reducing, reusing, recycling and composting. The field trip and the supporting lessons have been correlated to third grade State Content Standards.

Field Trip Presentation

Life Sciences

- **3d:** Students know when the environment changes, some plants and animals survive and reproduce; others die or move to new locations.

Listening and Speaking

- **1.1:** Retell, paraphrase, and explain what has been said by a speaker.
- **1.2:** Connect and relate prior experiences, insights, and ideas to those of a speaker.
- **1.3:** Respond to questions with appropriate elaboration.

Number Sense

- **2.4:** Solve simple problems involving multiplication of multi-digit numbers by one-digit numbers.

Continuity and Change

- **3.1 (2):** Trace the ways in which people have used the resources of the local region and modified the physical environment.
- **3.4 (2):** Discuss the importance of public virtue and the role of citizens, including how to participate in a classroom, in the community, and in civic life.

Pre – Field Trip Lessons

Lesson 1: What Are Natural Resources

Physical Sciences

- **1a:** Students know energy comes from the Sun to Earth in the form of light.
- **1b:** Students know that sources of stored energy take many forms, such as food, fuel, and batteries.

- **1g:** Students know that when two or more substances are combined, a new substance may be formed with properties that are different from those of the original material.

Life Sciences

- **3c:** Students know living things cause change in the environment in which they live.

Investigation and Experimentation

- **5e:** Collect data in an investigation and analyze those data to develop a logical conclusion.

Lesson 2: People Use Natural Resources

Reading

- **1.5:** Demonstrate knowledge of levels of specificity among grade-appropriate words and explain the important relations (e.g. dog/ mammal/ animal/ living things).

Post – Field Trip Lessons

Lesson 1: Reducing the Amount of Plastic That Goes to a Landfill

Listening and Speaking- Comprehension

- **1.2:** Connect and relate prior experiences, insights, and ideas to those of a speaker.
- **1.3:** Respond to questions with appropriate elaboration.
- **1.5:** Organize ideas around major points of information.

Investigation and Experimentation

- **5c:** Use numerical data in describing and comparing objects, events, and measurements.
- **5e:** Collect data in an investigation and analyze those data to develop a logical conclusion.

Physical Sciences

- **1f:** Students know evaporation and melting are changes that occur when objects are heated.
- **1g:** Students know that when two or more substances are combined, a new substance may be formed with properties that are different from those of the original material.

Writing

- **2.2:** Write descriptions that use concrete sensory details to present and support unified impressions people, things, or experiences.

Listening and Speaking

- **1.1:** Retell, paraphrase, and explain what has been said by a speaker.
- **1.3:** Respond to questions with appropriate elaboration.

Listening and Speaking

- **1.3:** Respond to questions with appropriate elaboration.
- **1.5:** Organize ideas around major points of information.

Continuity and Change

- **3.1(2):** Trace the ways in which people have used the resources of the local region and modified the physical environment.
- **3.4(2):** Discuss the importance of public virtue and the role of citizens, including how to participate in a classroom, in the community, and in civic life.
- **3.5(1):** Describe the ways in which local producers have used/are using natural resources to produce goods and services.
- **3.5(3):** Understand that individual economic choices involve trade-offs and the evaluation of benefits and costs.