**Fourth Grade Recycled Water Presentation**

**Description/Objective:**

Students received an introduction to recycled water. Using “Professor Puurkis Ponders Purple Pipes” book and activity book along with videos about “Patrick the Poo” students gain a basic knowledge of what recycled water is and why it is important. This presentation is designed for grade 4. This presentation is often used as a pre-field trip requirement prior to attending a field trip to tour a wastewater treatment plant. The tour of the treatment plant enhances learning by seeing firsthand the processes involved from start to finish. At the end of the presentation, students will have gained a basic understanding of water treatment in relation to recycled water. Students will also learn their personal responsibility of proper disposal of waste products, such as what items should not go down a toilet and what to do with grease after cooking.

 Recommended activities: “Professor Puurkis” activity sheets.

The classroom presentation is 1 hour.

**Schedule**

1. Arrival time varies according to teacher schedules
2. Introduction of wastewater (15 minutes)
3. Story and videos followed by question-and-answer discussion (20 minutes)
4. Recycled Water Activity (15 minutes)
5. Closing Comments. (10 minutes)

**California Content Standards: Fourth Grade**

**Reading Standards for Literature:**

* Key Ideas and Details: 1-3
* Craft and Structure: 1
* Integration of Knowledge and Ideas: 7

**Reading Standards for Informational Text**

* Key Ideas and Details: 1-3
* Craft and Structure: 4 & 5
* Integration of Knowledge Ideas: 7 & 8

**Reading Standards for Foundational Skills**

* Phonics and Word Recognition: 3. A
* Fluency: 4. A-C

**Writing Standards**

* Text Types and Purposes: 1. A-D
* Production and Distribution of Writing: 4 &6
* Research to Build Present Knowledge: 8

**Speaking and Listening Skills Standards**

* Comprehension and Collaboration: 1. A-D; 2, 3
* Presentation of Knowledge and Ideas 4. A

**Language Standards**

* Conventions of Standard English: 1. F & G; 2 A-D
* Knowledge of Language: 3. A
* Vocabulary Acquisition and Use: 4. A, 5. C; 6