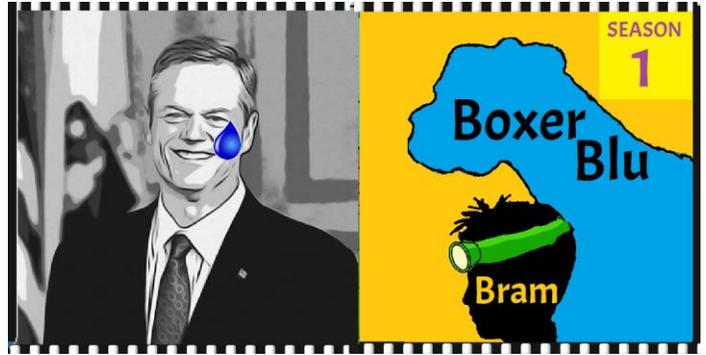


Lesson Plan Suggestions

BoxerBlu & Bram – News for 4 Year-Olds & Up

Season 1 – Episode 68 – May 8, 2020

Keywords: crying, farts, methane, dinosaurs, frogs, Antarctica, Covid-19, sewers, Pangea



Item #1 – ‘Leaders Are Crying on the Job. Maybe That’s a Good Thing.’

Authors: Jessica Bennett

Source: NYT

Link: <https://www.nytimes.com/2020/05/03/us/politics/crying-politicians-leadership.html>

Activities – Social Emotional Learning [Teaching Empathy](#)

Item #2 – Title: ‘The Business of Burps: Scientists Smell Profit in Cow Emissions’

Author: Adam Satariano

Source: New York Times

Link: <https://www.nytimes.com/2020/05/01/business/cow-methane-climate-change.html>

Activities – Multi-sensory – [6 Smelly \(and Really Fun!\) Activities for Kids](#)

Item #3 – Title: ‘A Strange Dinosaur May Have Swum the Rivers of Africa’

Author: Kenneth Chang

Source: NYT

Link: <https://www.nytimes.com/2020/04/29/science/spinosaurus-dinosaur-tail-swimming.html>

Activities – Social Studies- Geography – [Africa Activities for Kids](#)

Item #4 – ‘How did ancient frogs move between America and Australia? Easy: They hopped across Antarctica.’

Author: Sara Kiley Watson

Source: Popular Science

Link <https://www.popsci.com/story/animals/antarctic-frog/>

Activities – STEAM – Earth Science [Pangaea Lesson Plan](#)

Item #5 - ‘How Sewage Could Reveal True Scale of Coronavirus Outbreak’

Author: Smriti Mallapaty

Source: Nature

Link: <https://www.nature.com/articles/d41586-020-00973-x>

Activity – STEAM – Engineering – Urban Planning – Design a Sewer System

Materials: handy map that the children can relate to, such as of the neighborhood where their school is. Some investigation where sewage goes in your neighborhood beforehand is advised.

Directions:

1. Distribute the map to the students (or show at the front of the class).
2. Ask the students where they think waste water goes when it leaves the toilet.
3. Ask the students what the water could be used for.
4. Ask the students if they have any questions.
5. Ask the students how they would find out the answer to their questions.
6. Go over how people find out information like this.
7. Watch all or part of the video, '[What Happens After You Flush?](#)' pausing now and then to check for comprehension.
8. As a class, go over the [basic steps of how sewage is treated](#). [Here is a second resource](#).
9. Distribute the maps to the students, making sure that the students understand what the map represents.
10. In small groups, or individually as appropriate, ask the students to follow the steps from the video and the lesson to draw where the water goes.
11. Extension activity: create a 3-d model of a sewage system using cardboard tubes.

Inspired by the article, "[How Sewage could reveal true scale of coronavirus outbreak.](#)'