

Lesson plans k-12 lead in drinking water

https://www.niehs.nih.gov/health/assets/docs_f_o/healthy_homes_healthy_kids_heavy_metals_2001_508.pdf

A **K-12** fact sheet, the first page of this sheet is all about lead: what it is, effects it can have on children, and more.

<https://www.epa.gov/sites/production/files/documents/leadblockers.pdf>

This 6-page document includes background information on lead as well as two activities, one designed for **grades K-4** and one for **grades 5-8**. The activities help to teach students about lead while also being able to play.

<https://kids.niehs.nih.gov/assets/docs/fullbook.pdf>

The website I got this activity book from said it was designed for students in **5th-8th grade**, but the material seems like it could be used for students younger than that. It is an illustrated story/activity booklet that could be printed out. The story and activities are meant to teach children about lead. It specifically mentions that lead can be found in pipes and water.

<http://www.usingtheirwords.org/wp-content/uploads/2017/02/Water-Unit-Fifth-Grade.pdf>

Designed for New Jersey as part of their state curriculum. Document states it can potentially be used for 5th grade, I believe it is likely suitable material for all middle grade levels (**5th-8th**). This is a fully designed lesson plan, and the document is 111 pages long. This is good though because it is not just one activity like the previously listed sources, but an entire unit full of lessons and activities. It covers the idea of clean drinking water as a basic human right, what lead is and where it can be found, as well as how lead gets into drinking water and the effect lead has on children (page 45).

https://deohs.washington.edu/edge/sites/deohs.washington.edu.edge/files/FF_Lead.pdf

This is another link that has a full unit worth of lesson plans. Interdisciplinary environmental health curriculum for **middle school** students. Included activities for social studies, science, language arts, math and more that relate back to lead. Includes an activity specifically about lead in drinking water on page 75 (student handout for the activity is on page 191).

<https://www.globalonenessproject.org/lesson-plans/do-we-have-right-clean-water>

Lesson plan suitable for **grades 9-12** that asks if we, as American's, have a right to clean water. It includes background information about the Flint water crisis, and lists the national standards the lesson relates back to. It is available to download in English and Spanish.

https://thrivingearthexchange.org/wp-content/uploads/2018/01/EPA-Curriculum_High-School_Lesson-Plan-booklet.pdf

High school level curriculum to introduce students to environmental health issues and science. It includes roughly 15 lessons including topics such as the Flint water crisis, lead toxicity (including a lab activity where school water fountains are tested for lead), environmental ethic, and environmental justice to name a few.

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https://www.niehs.nih.gov/health/assets/docs_f_o/get_the_lead_out_your_environment_your_health_508.pdf

This is a presentation for **9th-12th grade** students. Details historic use of lead, potential causes of exposure, effects of lead on the human body, and how to prevent lead exposure. Does not included any hands-on activities.

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