PRINTED RESOURCES

Youth

All the Dirt
J 391.6 Ashenburg

I wonder why:
Soap Makes Bubbles
J 507.8 Taylor

Experiments with Soap
J 530.4 Tocci

How it Works
J 600 Fisher

You wouldn't want to live without soap
J 668 Woolf

Adult

Science of Everything
500 National

The Chemistry Book
540.9 Lowe

DIGITAL RESOURCES

ACI: Soaps & Detergents
https://www.cleaninginstitute.org/understanding-products/why-clean/soaps-detergents-history

Brief History of Soap
https://www.youtube.com/watch?v=aOL330lir9I

Cleaning Institute: Science of Soap
https://www.youtube.com/watch?v=EK7IsJ2eFrg

How Soap Works
https://www.worldofmolecules.com/3D/how-does-soap-work.html

Soap: making everyday chemistry public
https://chem.ku.edu/sites/chem.ku.edu/files/docs/CHM190/soap.pdf

Soap Story Museum
https://www.youtube.com/watch?v=fnDnwyMCnGI

WEEKLY EXPERIMENTS AND SUPPLIES

Soap Bubble Science: soap or detergent, corn syrup or glycerin, water

Microbes on Hand: soap or detergent, potato, ziplock bags

Make an Emulsion: soap or detergent, oil, water

Surface Tension: soap or detergent, paperclip, pepper, water
ADDITIONAL 'STEAM' RELATED RESOURCES

American Museum of Natural History
Activities, articles, videos and more for anyone interested in exploring science.
https://www.amnh.org/learn-teach/curriculum-collections

Because Science (video series)
Nerdist Science Editor Kyle Hill uses math and science concepts to solve, measure, and make sense of pop culture quandaries.
https://www.youtube.com/c/becausescience

Citizen Science
Helping federal agencies accelerate innovation through public participation, a searchable database of ongoing projects and guides.
https://www.citizenscience.gov

Cornell Center for Materials Research
Links to science based lesson plans and videos developed for grades K-12.
https://www.ccmr.cornell.edu/education/

Khan Academy: Science
Exercises and instructional videos for students in grades K-college.
https://www.khanacademy.org/science

Phys Org
An internet news portal providing the latest news on science and technology.
https://phys.org/

Scientific American: Bring Science Home
Science activities using common items and little preparation, for ages 6-12.
https://www.scientificamerican.com/education/bring-science-home/

SciShow Kids (video series)
SciShow Kids explores all the curious topics that make us ask “why?”
https://www.youtube.com/c/scishowkids

Please email a librarian (librarian@trumansburglibrary.org) or call the library desk for assistance in locating the best books, movies, and magazines for your topic & age group.