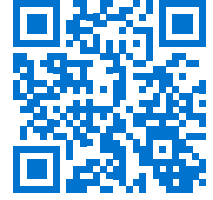




JOURNEY OF STORMWATER

KC Water offers water quality education to students of all ages. All lessons can be modified for various grade-levels to meet science standards and are free of charge to schools, residents, and businesses in Kansas City. Schedule a lesson at water.education@kcmo.org.

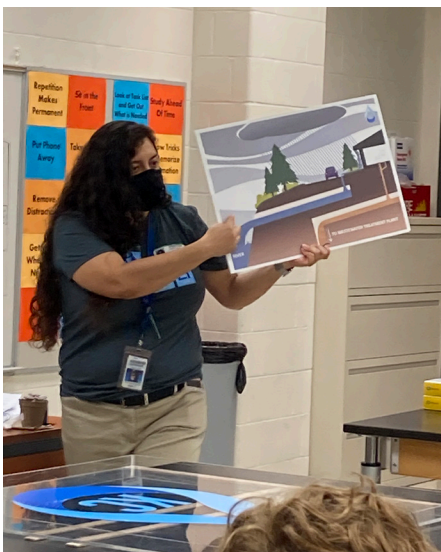



OVERVIEW: High school groups can schedule an overview of the Journey of Stormwater to cover discussion topics over the issues of pollution and solutions. Discussion covers some solution-driven practices known as Best Management Practices along with topics over local Green Infrastructure sites and the federal Consent Decree. The lesson can involve a group-led Project-Based Learning event in partnership with KC Water.

TOTAL CLASS TIME: Presentation approximately 45 minutes. Projects may vary by event.

KEY COMPONENTS: Introduction covers watersheds, water bodies, and contaminants to our waterways. Main component covers city response and best management practices. Conclusion covers individual and group response to stormwater runoff. In addition to NGSS/MLS, this lesson also relates to standards for Language Arts and Social Studies.

KEY VOCABULARY: Student-lead project-based learning activity that can be tailored to each school group or classroom



Water  Quality
EDUCATION

JOS BMPS

NEXT GENERATION SCIENCE STANDARDS / MISSOURI LEARNING STANDARDS

| LIFE SCIENCE | | Grade 9-12 |
|--|--|-------------------|
| LS2-Ecosystems: Interactions, Energy, & Dynamics | C-Ecosystem Dynamics, Functioning and Resilience | 9-12.LS2.C.2 |
| | | HS-LS2-7 |

| EARTH and SPACE SCIENCE | | Grade 9-12 |
|---------------------------------|-------------------------------------|-------------------|
| ESS3 - Earth and Human Activity | A- Natural Resources | 9-12.ESS3.A.1 |
| | C- Human Impacts on Earth's Systems | 9-12.ESS3.C.2 |

| ENGINEERING TECHNOLOGY and the APPLICATION OF SCIENCE | | Grade 9-12 |
|--|---|-------------------|
| ETS1 - Engineering Design | A- Defining and Delimiting Engineering Problems | 9-12.ETS1.A.1 |
| | | 9-12.ETS1.A.2 |
| | B- Developing Possible Solutions | 9-12.ETS1.B.1 |