

# EXTREME WEATHER



**Recommended Grades:**  
Grades 6-8 | Grades 9-12

Step into River City, a municipality bracing for a flood. Become a character in the town to figure out what supplies will be needed to weather the storm and help solve problems in the aftermath. Citizens of River City will use knowledge gained to analyze the problems they encountered and build prototypes for a solution to help mitigate them in the future.

## **Topics Covered:**

**Grades 6-8:** Engineering Design, Materials Engineering, Density, Water Cycle, Human Impact on the Environment/Protection of an Ecosystem, Interpreting Weather Data

**Grades 9-12:** Hydrosphere, Human Impact on the Environment, Engineering Design Process