



Golden Gate Panorama (Golden Gate State Park)
Image courtesy of Golden Gate State Park

Engineering Challenge

Wind-Powered Cars

Monday, January 22 at 3:30 p.m. at the Main Library

What's the best way to make a car powered by wind? Will the design affect how far it goes? What about how the wind is delivered? Let's find out! We'll use simple materials to build and test the cars.

Building Tall

Monday, January 29 at 3:30 p.m. at the Main Library

What is the tallest freestanding structure you can build with marshmallows and toothpicks? Will it stand up to gravity over time? How about wind? Come test your engineering skills. Build one and see.

Build a Perch

Monday, February 5 at 3:30 p.m. at the Main Library

Create a safe perch for a ball to sit on...think this challenge is too easy? With limited materials, it may be harder than it looks!

Suggested ages 7 - 12.

The Engineering Challenge programs are part of the Explore Tech: Engineers Make a World of Difference exhibit at the Worcester Public Library through March 9, 2018.



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ALA American
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WPI

Explore Tech

Engineers Make a World of Difference

January 13 - March 9

Exhibit Opening: Saturday, January 13 at 11 a.m. at the **Main Library**

Wreck the Tech: Thursday, January 18 at 3:30 p.m. at the **Burncoat Branch**

Engineering Challenge: Wind-powered Cars: Monday, January 22 at 3:30 p.m. at the **Main Library**

Engineering Challenge: Does it Float?: Friday, January 26 at 4 p.m. at the **Frances Perkins Branch**

Engineering Challenge: Building Tall: Monday, January 29 at 3:30 p.m. at the **Main Library**

STEM Demos with Microsoft: Monday, January 29 at 4 p.m. at the **Main Library**

Wreck the Tech: Tuesday, January 30 at 3:30 p.m. at the **Goddard Branch**

Animatronics!: Saturday, February 3 at 11 a.m. at the **Main Library**

Engineers Without Borders Panel Discussion: Saturday, February 3 at 3 p.m. at the **Main Library**

Engineering Challenge: Build a Perch: Monday, February 5 at 3:30 p.m. at the **Main Library**

STEM Demos with Microsoft: Thursday, February 8 at 4 p.m. at the **Main Library**

Engineering Alternate Worlds: Game Development Basics: Saturday, February 17 at 12 p.m. at the **Main Library**

School Vacation Week/Engineers Week

Spacesuit Engineering: Tuesday, February 20 at 2 p.m. at the **Main Library**

Robots Movie: Wednesday, February 21 at 11 a.m. at the **Main Library**

Introduce a Girl to Engineering Day! - Women in Power Panel: Thursday, February 22 at 2 p.m. at the **Main Library**

Family Engineering Challenge: Build a Rube Goldberg Machine: Saturday, February 24 at 10 a.m. at **Main Library**

STEM Demos with Microsoft: Thursday, March 1 at 4 p.m. at the **Main Library**

The Internet of Things and Cybersecurity Challenges: Saturday, March 3 at 1 p.m. at the **Main Library**

Check our website for updates at mywpl.org

Explore Tech: Engineers Make a World of Difference was organized by the Space Science Institute's National Center for Interactive Learning, the American Library Association's Public Programs Office, the Lunar and Planetary Institute and the Afterschool Alliance. This project was made possible through the support of a grant from the National Science Foundation. The Worcester Public Library is proud to partner with the Eureka! program at Girls Inc. of Worcester and Worcester Polytechnic Institute.