



SCIENCEWORKS HANDS-ON MUSEUM

# ScienceWorks Robotics in Space Program

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5/15/23 - 12/31/24



ScienceWorks DaVinci's Garage Shadow Theater  
Credits: ScienceWorks

"Robotics in Space" serves PK-12th grade students, educators, and the general public, highlighting the diversity and roles of robots in space exploration. ScienceWorks Hands-On Museum works with Southern Oregon Education Services District and community partners including Boys and Girls Clubs, YCMA, and libraries to provide hands-on workshops focusing on robotic 'team ups' through coding and programming components. Project goals are public engagement with NASA missions through community events and school workshops promoting teamwork, critical thinking, and computer science skills. ScienceWorks has designed and implemented two STEM workshops, as well as six camps for youth aged 5-14 and is constructing a hands-

on exhibit allowing visitors to navigate a rover model over modular terrain. Exhibit phase II plans include a facilitated drone element. ScienceWorks is also designing an outreach 'ScienceLive' presentation that will highlight the skills of three 'explorers': a robotic dog, a rover, and a drone.

## List of Partners:

- Southern Oregon Educational Services District
- Oregon State University Extension
- Ashland School District
- Medford Public School District 594C
- Talent/Phoenix School District
- Southern Oregon Skywatchers
- Oregon NASA Space Grant Consortium
- Oregon Museums Association

The material contained in this document is based upon work supported by a NASA grant or cooperative agreement award #80NSSC23K0808, under the Teams Engaging Affiliated Museums and Informal Institutions (TEAM II) activity of NASA's Next Gen STEM Project.

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