



*Experience the life of an astronaut as you suit up for space flight! Use teamwork to complete an important space mission and build a model space station. Bring home the challenge of repairing a ripped solar panel on the International Space Station with your very own Mad Science® Spacewalk Mission!*

### **SUMMARY:**

Children set out on a mission to experience life in space! Children will try out the special adaptations needed to live in space, learn about mission training techniques, and form a ground control to space mission team to repair a circuit in space. The children take part in a Mad Science® Spacewalk Mission that they can take home!

### **EDUCATIONAL VALUE:**

This class puts children in the boots of an astronaut. Children explore the various demands and challenges facing astronauts in space and the Mission Control who support them from the ground. Children then investigate astronaut training, mobility, and life support, and experience astronaut life for themselves as they participate in a Mad Science® Spacewalk Mission.

### **TAKE-HOME MESSAGE:**

- 1 Astronaut life is challenging and rewarding
- 2 Astronauts need air pressure around them to live in space.
- 3 Planets closer to the Sun are warmer than those farther away.

### **TAKE-HOME PRODUCT:**

Mad Science® Spacewalk Mission

### **NORTH CAROLINA ESSENTIAL STANDARDS:**

- 3.P.2.1 Recognize that air is a substance that surrounds us, takes up space and has mass.
- 5.P.1.1 Explain how factors such as gravity, friction, and change in mass affect the motion of objects.
- 5.P.1.2 Infer the motion of objects in terms of how far they travel in a certain amount of time and the direction in which they travel.

