



MISSION 4 - CLOTHING



What Samantha wore today outside the ISS...

Sometimes astronauts need to venture outside the ISS for maintenance and repairs. In this case, astronauts wear an EVA (extra vehicular activity) suit, which is what we commonly call a spacesuit!

Check out Samantha's video describing a spacesuit she's worn on an EVA:

"When we do EVA activities, we wear long underwear and a cooling undergarment under our suit, with lots of small tubes that wrap around your body. Water circulates in those tubes to keep you cool while you work hard during a spacewalk. The EVA suit is very complex. You have the pressure suit, with gloves and a helmet, and you have the life support system, that provides oxygen to breathe, water for cooling, removal of the carbon dioxide (CO₂) that you exhale, and a radio system to communicate."



Samantha Cristoforetti

Match the parts of the spacesuit to their correct function:

Pressure suit

Protects the astronaut's hands while allowing them to grab items outside the space station.

Life Support System

Allows the astronaut to maintain communication with the space station and talk in space.

Gloves

Protects the astronaut's feet in space.

Radio system

Provides a supply of oxygen, water for cooling, and removes carbon dioxide from the space suit.

Boots

Allows the astronaut to stay safe, breathe and to see.

Helmet

Maintains a steady pressure inside the space suit and protects the astronaut from the cold.