



MATE ROV Pufferfish Presentation/Lesson PPT Downloads

Introduction to Remotely Operated Vehicles

[ROV101](#)

[Engineering Design Cycle](#)

[Missions](#)

[How to Run ROV-in-a-Bag](#)

[Getting Started](#)

Tools and System: Frame

[Using Tools](#)

[CAD](#)

[General Frame Information](#)

[Frame Design and Stability](#)

[Team Building Exercise](#)

[Tools and Tool Management in the Classroom](#)

Basic Electronics

[Multimeter Basics](#)

[How Switches Work](#)

[How Switches Work Worksheet](#)

[Simple Circuits](#)

[Simple Circuits Worksheet](#)

Systems: Power, Control, Tether & Propulsion

[Soldering & Waterproofing Wires](#)

[Solder & Seal Connectors](#)

[Soldering Wires Worksheet](#)

[How to Solder Components to a PCB](#)

[Creating your ROVs Power Wire](#)

[Power Options for Your ROV](#)

[Creating the Practice Board](#)

[Building the Pufferfish Control Box REV7](#)

[General Tether Information](#)

[Connecting the Tether to the Control Box](#)

[Attaching Propellers to the Motors](#)

[Creating the Tether Management Cross](#)

[Connecting the Motors to the Tether](#)

[Pufferfish SID](#)

[Basic Electrical Troubleshooting – Pufferfish](#)

[Tracing Voltage Through the Pufferfish ROV](#)

System: Payload

[Waterproofing a Camera](#)

[Connecting a Camera to a Pufferfish ROV](#)

[Hydraulic Manipulators](#)

[Non-moving Manipulators](#)

Systems: Buoyancy / Ballast

[ROV Buoyancy](#)

ROVs Outside the Classroom

[MATE ROV Competition Videos](#)

[Virtual Field Trips](#)

[Directed Learning Questions](#)

[Directed Learning Questions Searches](#)

Safety and Operations

[General ROV Safety](#)