

# Bionics4Education



## Robotic Elephant - Tasks

Tasks are identified in no particular order. Use this information to complete the project management document.

<b>Insert batteries in battery compartment</b>	<b>Make intermediate plates</b>	<b>Connect connecting piece with 3-arm bracket</b>	<b>Evaluate project result</b>
<b>Draw the sealing rings on the connecting piece</b>	<b>Locate material (painting rolls, cardboard)</b>	<b>Connect the waterproof servo motor to the connecting piece</b>	<b>Optimize the gripping process</b>
<b>Mount servo motor on 3-arm bracket</b>	<b>Thread the intermediate plates and painting rollers alternately</b>	<b>Connect 3-armed bracket with trunk</b>	<b>Documentation (Film)</b>
<b>Connect the body to the connecting piece</b>	<b>Place the battery compartment in the body</b>	<b>Connect the battery connection cable to the battery compartment</b>	<b>Prepare work area</b>
<b>Cut paint rollers to size</b>	<b>Connect FinRays with FinRay holder (gripper)</b>	<b>Optional: Advanced activities</b>	<b>Check completeness of the kit</b>
<b>Connect servo motors with electronics board</b>	<b>Connect the electronic board to the battery compartment</b>	<b>Guide the servo motor plug cable through eyelets in 3-arm bracket</b>	<b>Clean up your work area</b>
<b>Lead the blue silicone tube through the middle hole</b>	<b>Connect the device to the microcontroller's WLAN</b>	<b>Connect cable ties with three outer rudder horns</b>	<b>Lead cable ties through middle silicone tubing and gripper FinRays</b>
<b>Control steering / Testing</b>	<b>Locate objects to grasp</b>	<b>Guide three cable ties through FinRay holder</b>	<b>Disassemble the robot</b>
<b>Connect the middle cable tie to the rudder horn of the waterproof servo motor</b>	<b>Print / Present project plan</b>	<b>Monitor project progress</b>	<b>Monitor task times to ensure timeline on target</b>
<b>Create and add design elements</b>	<b>Analyze biological role model</b>	<b>Evaluate team work</b>	<b>Slide the electronics board into the body guide rail</b>