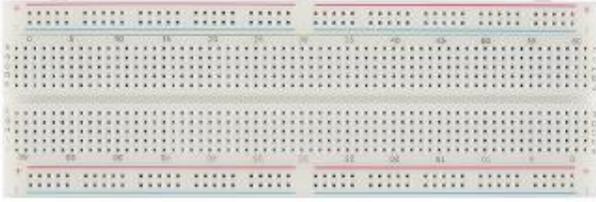
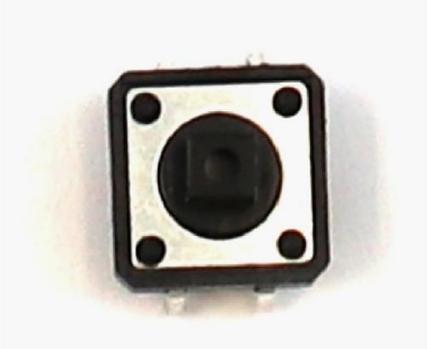
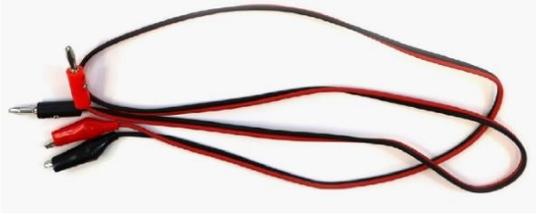


SYDE/BME Lab Kit 2021 Photos

See below for pictures of some parts in you kit.

Item	Description/Photo
Newark sub-kit and component box	 A clear plastic bag filled with various electronic components and a yellow and black Duratool component box. The Duratool box is labeled 'DURATOOL' and 'STORAGE BOX FOR COMPONENTS'.
Breadboard	 A standard white breadboard with a grid of holes and power rails.
Wire-cutter/stripper	 A pair of wire cutters with red handles and black metal heads.
Long-nose plier	 A pair of long-nose pliers with blue handles and silver metal heads.
Hookup wire. Your kit may not have all six color hookup wires. But it should contain at least four coil of wires. Amount of wire has higher importance as opposed to colors.	 A collection of several coils of hookup wire in various colors including green, blue, red, yellow, and black.

<p>Photo detector</p>	
<p>Tactile button</p>	
<p>Tactile button caps</p>	
<p>6 Degree of Freedom (DOF) Inertial Measurement Unit (IMU)</p>	
<p>(Arduino) Uno board</p>	

<p>LCD Button shield</p>	 <p>A green printed circuit board (PCB) shield for an Arduino Uno. It features a 16x2 LCD display in the center, a 4-pin pushbutton at the bottom, and various electronic components like resistors and capacitors. The board has a header for connecting to the Arduino's pins.</p>
<p>Test Leads to BNC to alligator clips</p>	 <p>A black cable with a BNC connector on one end and two alligator clips (one red, one black) on the other end, used for connecting test equipment to a circuit.</p>
<p>Test Leads Banana to alligator clips</p>	 <p>Two test leads with banana plugs on one end and alligator clips (one red, one black) on the other end, used for connecting test equipment to a circuit.</p>
<p>9 V to barrel jack adapter</p>	 <p>A cable with a 9V battery connector on one end and a barrel jack connector on the other end, used for connecting a 9V battery to a circuit.</p>
<p>Microphone</p>	 <p>A blue PCB microphone module with a silver microphone capsule. It has a 5-pin header at the bottom and a 4-pin header at the top. It is connected to a breadboard with several colored wires (red, yellow, blue, black).</p>