Equipment To Go

For assistance with kits please come by MIT MakerWorkshop makerworkshop.mit.edu
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1 – Cordless Drill (DeWalt)

Kit Contains
1 – Cordless Drill
2 – 20 volt Rechargeable Batteries
1 – Charger
1 – Safety Glasses

Notes
- Use safety glasses, this tool can be dangerous
- Make sure that your hair is tied back when using
- Please charge batteries before returning
- If you need help with this tool please come by MakerWorkshop
2 – Cordless Drill & Impact Driver (DeWalt)

Kit Contains
1 – Cordless Drill
1 – Impact Driver
2 – 20volt Rechargeable Batteries
1 – Charger
1 – Safety Glasses

Notes
- Use safety glasses, this tool can be dangerous
- Make sure that your hair is tied back when using
- Please charge batteries before returning
- If you need help with this tool please come by MakerWorkshop
3 – Soldering Station

Kit Contains
1 – Soldering station with Sponge
1 – Package of solder
1 – Solder fan
1 – Helping hands wire holder
1 – Safety Glasses

Notes
- Do not use if you have not been trained on this tool, it can be hazardous
- Use safety glasses, this tool can be dangerous
- Soldering fumes are hazardous, use in a well ventilated area and use the solder smoke absorber
- If you need help with this tool or more electrical tools and components please come by MakerWorkshop
4 – Electrical Measurement Kit

Kit Contains
1 – Digital Millimeter
1 – AC/DC current clamp meter
4 – Wire probes
1 – Multi function socket
1 – Digital Millimeter manual
1 – AC/DC current clamp meter manual

Notes
- If you need assistance or more electrical tools come by MIT MakerWorkshop
5 – Electrical Tool Kit

Kit Contains
3 – Pliers
1 – Wire stripper/Crimper tool
6 – Precession Screwdrivers
6 – Tweezers

Notes
- If you need assistance or more electrical tools come by MIT MakerWorkshop
6 – DC Power Supply

Kit Contains
1 – Power Supply (Max 30 volts/5 amps)
1 – Power Cord
2 – Alligator Clip Probes
1 – Manual

Notes
- If you need help or different electrical components MakerWorkshop and we will help
Kit Contains
1 – Soldering/Hot air station
1 – Package of solder
1 – Solder fan
1 – Helping hands wire holder
3 – Hot air gun focusing tips
1 – Safety Glasses
1 – Soldering Iron Stand with Sponge
1 – Manual

Notes
- Do not use if you have not been trained on this tool, it can be hazardous
- Use safety glasses, this tool can be dangerous
- Soldering fumes are hazardous, use in a well ventilated area and use the solder smoke absorber
- If you need help with this tool or more electrical tools and components please come by MakerWorkshop
8a – Picoscope Digital Oscilloscope (basic)

Kit Contains
1 – Picoscope Digital Oscilloscope (10mHz)
2 – BSC Probes
1 – Mini Screwdriver
1 – Probe Manual
1 – Oscilloscope Manual
1 – Quick start Manual
1 – Pico CD

Notes
- If you need other help come by MakerWorkshop
- For more information on Picoscope & Manual
Kit Contains
1 – Picoscope Digital Oscilloscope (50mHz)
2 – BSC Probes
1 – Mini Screwdriver
1 – USB Cable
1 – Probe Manual
1 – Oscilloscope Manual
1 – Quick start Manual
1 – Pico CD

Notes
- If you need other help come by MakerWorkshop
- For more information on Picoscope & Manual
  www.picotech.com/oscilloscope/3000/usb3-oscilloscope-logic-analyzer
- This kit is expensive as a result there will be a 500$ charge if you break it or fail to return it
8C –Oscilloscope (Traditional)

Kit Contains
1 – Digital Oscilloscope (50mHz)
2 – BSC Probes
1 – Oscilloscope Manual
1 – CD
1 – Power Cable

Notes
- If you need other help come by MakerWorkshop
- For more information
- https://www.tek.com/oscilloscope/tbs1000-digital-storage-oscilloscope
- This kit is expensive as a result there will be a 500$ charge if you break it or fail to return it
9 – Hand Tool Set

Kit Contains
1 – 1/4 inch ratcheting driver
1 – Hand driver
30 – Driver bits
16 – Standard ¼ inch drive sockets (5/32-3/8)
1 – Hammer
1 – Measuring tape
1 – Razor Blade
1 – Bubble level
16 – Allen Keys
2 – Pliers
2 – Screw Drivers

Notes
- If you need help or a different tool come by MakerWorkshop and we will help
Kit Contains

1 – 1/4 inch ratcheting driver
1 – 3/8 inch ratcheting driver
2 – Driver Extenders
16 – Standard 1/4 inch drive sockets (3/16-1/2)
15 – Metric 1/4 inch drive sockets (6mm - 13mm)
17 – Standard 1/4 inch drive sockets (3/8 - 13/16)
17 – Metric 3/8 inch drive sockets (10mm -19mm)

Notes
- If you need help or a different size socket MakerWorkshop and we will help
11 - LabQuest Mini Data Acquisition Unit

Kit Contains
1 – LabQuest Mini
1 – USB Connector
1 – Power Supply
1 - Manual

Notes
- If you need other parts come by MakerWorkshop we have a variety of small electronic components

- For more information on LabQuest Mini www.vernier.com/products/interfaces/lq-mini/

- Free Logger Lite software available at www.vernier.com/software

Kit Contains
1 – LabQuest 3 Axes Mini
1 – Manual

Notes
- If you need other parts come by MakerWorkshop we have a variety of small electronic components
- For more information on LabQuest 3 Axes Accelerometer http://www.vernier.com/products/sensors/accelerometers/3d-bta/
- This sensor works with the LabQuest Mini (Kit 11)
11b - LabQuest Heart Rate Sensor

Kit Contains
1 – LabQuest Heart Rate Sensor (Bluetooth)
1 – Band
1 – Connector
1 – Manual

Notes
- If you need assistance come by MIT MakerWorkshop
- For more information on LabQuest 3 Axes Accelerometer
  www.vernier.com/products/sensors/heart-rate-sensors/ehr-bta/
- This sensor works with the LabQuest Mini (Kit 11)
- Manual Available at
Kit Contains
1 – LabQuest Voltage Probe (30 Volt max)
1 – LabQuest Current Sensor (40 Volt & 10 amp max)
1 – Spare Fuse
2 – Voltage Probes
2 – Manuals (Voltage & Current)

Notes
- If you need assistance come by MIT MakerWorkshop
- For more information on LabQuest Sensors www.vernier.com/products/sensors/
- This sensor works with the LabQuest Mini (Kit 11)
- Manuals Available at
  http://www.vernier.com/files/manuals/
Kit Contains
1 – LabQuest Force Sensor
1 – Bumper
1 – Hook
1 – Handel
1 – Quick Start Manuals

Notes
- If you need assistance come by MIT MakerWorkshop
- For more information on LabQuest Sensors www.vernier.com/products/sensors/
- This sensor works with the LabQuest Mini (Kit 11)
- Manuals Available at http://www.vernier.com/files/manuals/
Kit Contains
1 – LabQuest Temperature Probe
1 – Quickstart Manual

Notes
- If you need assistance come by MIT MakerWorkshop
- For more information on LabQuest Sensors www.vernier.com/products/sensors/
- This sensor works with the LabQuest Mini (Kit 11)
- Manuals Available at http://www.vernier.com/files/manuals/
Kit Contains
1 – Watts Up Pro Power Meter
1 – USB Cable

Notes
- If you need assistance come by MIT MakerWorkshop
- For more information - www.vernier.com/products/sensors/wu-pro//
- This sensor works with the LabQuest Mini (Kit 11)
- Manuals Available at - http://www.vernier.com/files/manuals/
- Specifications: Voltage: 120 V
  Duty Cycle: 60 Hz
  Maximum current: 15 amperes
  Maximum sampling speed: 1 sample per second
  Accuracy:±1.5%, + 3 counts of the displayed value
  Below 60 watts, current and power factor decrease in accuracy
  Minimum measurable power: 0.5 watts
12 - National Instruments Data Acquisition Kit

Kit Contains
1 – Bread Board
1 – NI DAQ
1 – Software CD
1 – Box of Jumper Cables
1 – USB Connector
1 – Red Probe
1 – Black Probe
1 – Bag of Miscellaneous Resistors
1 – Start Up Guide

Notes
- If you need parts come by MakerWorkshop we have a variety of small electronic components
- For more information on how to use go to www.ni.com/mydaq/
- Labview Licenses available at https://ist.mit.edu/labview/license
Kit Contains
1 – DSLR Camera Canon EOS Rebel T5
1 – Lens 18-55mm (should be kept attached to camera)
1 – Rechargeable Battery (should be kept inside camera)
1 – Battery Charger
1 – 32gb SD Card (inside camera, remember to wipe after use)
1 – Solutions Software CD
1 – Mini USB Cable
2 – Protective caps (if you want to change the lenses to your own lens)

Notes
- Please return the camera in its default settings with the memory card cleared and the battery charged
- This camera is expensive as a result there will be a 500$ charge if you break it or fail to return it
- If you need help with this camera please come by MakerWorkshop
- If you are unsure of how to do something with the camera please come by MakerWorkshop and we will help
13a – Canon DSLR Camera (EOS Rebel T6)

Kit Contains
1 – DSLR Camera Canon EOS Rebel T6
1 – Lens 18-55mm (should be kept attached to camera)
1 – Rechargeable Battery (should be kept inside camera)
1 – Battery Charger
1 – 32gb SD Card (inside camera, remember to wipe after use)
1 – Mini USB Cable
2 – Protective caps (if you want to change the lenses to your own lens)
1 – Macro lens (keep protective cap on when not using)
1 – 2.2x Telephoto lens (keep protective cap on when not using)
1 – UV filter
3 – Filters in leather case (UV, Fluorescent, Circular-polarized)
1 – Remote shutter release
1 – Lens/screen cleaning kit
1 – Flash attachment

Notes
- Please return the camera in its default settings with the memory card cleared and the battery charged
- This camera is expensive as a result there will be a 500$ charge if you break it or fail to return it
- If you need help with this camera please come by MakerWorkshop
- If you are unsure of how to do something with the camera please come by MakerWorkshop and we will help
14 - Drill Bits & Drivers

Kit Contains
3 – Drill Stops
1 – Allen Key
9 – Socket Drivers (5/32,3/16,7/32,1/4,9/32)
61 – Assorted Drivers (Phillips, Flat Head, Allen)
6 – Masonry Drill Bits
5 – Brad Point Drill Bits
3 – Spade Drill Bits
11 – All Purpose Drill Bits
1 – Driver Extender

Notes
- If you need another size come by MIT MakerWorkshop

- If you break a bit come by MIT MakerWorkshop (it happens don’t panic)

- With so many small bits things go missing, if the set gets too incomplete come by MakerWorkshop for spare parts
15 – Tap and Die Set

Kit Contains
2 – Thread Testers
1 – Small Tap Handle
1 – Large Tap Handle
1 – Die Handle
14 - Standard Tap + Die
(4-40, 6-32, 8-32, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-18, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20)
12 – Metric Tap + Die
(M3-0.5, M4-0.7, M5-0.8, M6-1.0, M7-1.0, M8-1.25, M9-1.25, M10-1.0, M10-1.5, M12-1.75)
1 – BSP 1/8-28 Tap + Die
1 – Screw Driver

Notes
- If you break a tap come by MakerWorkshop for a replacement
- If you need another size MakerWorkshop might have it
16 – Dial Calipers

Kit Contains
1 – Dial Caliper

Notes
- If you need help with measurement MakerWorkshop has a variety measurement equipment
17 – Micrometer Set (0-4 inches)

Kit Contains
1 – 3-4” Micrometer
1 – 2-3” Micrometer
1 – 1-2” Micrometer
1 – 0-1” Micrometer
1 – 1” calibration block
1 – 2” calibration block
1 – 3” calibration block
2 – Spanner Wrench
1 – Guide

Notes
- If you need help with measurement MakerWorkshop has a variety measurement equipment
Kit Contains
2 – 12” Quick Grip Clamps
2 – Spring Loaded Clamps
2 – Ratcheting Clamps

Notes
- If you need assistance or another type of clamp come by MIT MakerWorkshop
19a – Full-size Tripod

Kit Contains
1 – Full-size tripod
1 – Base Plate

Notes
If you need any help MIT MakerWorkshop
Make sure the tripod is secure so the camera does not break
Leave the base plate in the tripod when returning the kit.
19b – Mini Tripod

Kit Contains
1 – Mini Tripod

Notes
If you need any help MIT MakerWorkshop
Make sure the tripod is secure so the camera does not break
Kit Contains
1 – GoPro Hero 5 Black
1 – Skeleton case with mounting capabilities
1 – Rechargeable Battery (should be kept inside camera)
1 – 64gb Ultra micro SD Card (inside camera, remember to wipe after use)
1 – Micro SD card adapter
1 – Manual
1 – Proprietary Mini USB Cable
1 – Mounting bracket

Notes
- Please return the camera in its default settings with the memory card cleared and the battery charged
- This camera is expensive as a result there will be a charge if you break it or fail to return it
- If you need help with this camera please come by MakerWorkshop
- If you are unsure of how to do something with the camera please come by MakerWorkshop and we will help
Kit Contains
11 - Mounting attachments
1 – Suction Mount
1 – Float with wrist strap
1 – Flex Mount
1 – Chest Mount
1 – Helmet Mount
1 – Head Mount
1 – Wrist Strap
1 – Clamp Mount
1 – Adjustable Grip
1 – Selfie Stick
1 – Instructions

Notes
- If you need assistance or another type of clamp come by MIT MakerWorkshop
Kit Contains
1 – FLIR C2 Thermal Camera
1 – USB Charging plug
4 – Additional international adapters for charging plug
1 – Manual
1 – Proprietary Mini USB Cable

Notes
- Please return the camera in its default settings with the memory cleared and the battery charged
- This camera is expensive as a result there will be a $500 charge if you break it or fail to return it
- If you need help with this camera please come by MakerWorkshop
- If you are unsure of how to do something with the camera please come by MakerWorkshop and we will help
Kit Contains
1 – Wireless Mic transmitter
1 – Wireless Mic receiver
2 – Wired ear pieces
1 – Handheld microphone
1 – Clip-on microphone
1 – Aux cable
1 – 1/4 in. to 3.5 mm stereo adapter
1 – User guide

Notes
- If you need help with this microphone please come by MakerWorkshop
- If you are unsure of how to do something with the microphone please come by MakerWorkshop and we will help
23 – Drawing Design Kit

Kit Contains
1 – Circuit Drawing Pen
1 – 3D Printing Pen
1 – Power Adapter for 3D Pen
2 – Mini screwdrivers
1 – Manual
Filament

Notes
If you need help or a different tool come by MakerWorkshop and we will help
Kit Contains
1 – Sous Vide Stick
1 – Pot Clamp
1 – Manual

Notes
If you need help or a different tool come by MakerWorkshop and we will help
Kit Contains
1 – Arduino

Power
• 9V Battery + Battery Leads,
  USB Cable, Power Supply
  Module

Prototyping Area
• Breadboard, Expansion Board,
  Wires + Jumper Cables

Sensors
• Ultrasonic, Temperature and
  Humidity, IR Receiver

Motors
• Stepper Motor + Driver Board,
  Servo Motor, 3-6 V Motor

I/O
• Buttons, LCD module, 7-
  segment displays, Remote,
  Buzzer, Switch, Joystick

Electronic Components
• 74HC595, L293D, Thermistor,
  Diode, NPN Transistor,
  Resistors, Relay

Notes
- All items must be returned
- If you are unsure of how to do something
  with the kit please come by
  MakerWorkshop and we will help
Kit Contains
1 – Projector
1 – Lens cover for projector, should remain attached
1 – Power cable for projector
1 – Projector remote
1 – Speaker system
1 – Power cable for speaker system
1 – Aux cable for speaker system
1 – Quick user guide and user guide CD for projector

Notes
- This projector is expensive, as a result there will be a $500 charge if you break it or fail to return it
- If you need help with this projector kit please come by MakerWorkshop
- If you are unsure of how to do something with the projector please come by MakerWorkshop and we will help
26a – Projector Screen Kit

Kit Contains
1 – Projector screen with attached tripod

Notes
- If you need help with this projector screen please come by MakerWorkshop
- If you are unsure of how to do something with the projector screen please come by MakerWorkshop and we will help
27 – Function Generator

Kit Contains
1 – Function Generator (25MHz)
1 – BSC Probes
1 – Manual
1 – CD
1 – Power Cable
1 – USB Cable

Notes
- If you need other help come by MakerWorkshop
- For more information on Picoscope & Manual
  http://www.siglent.com/ENs/generator/SDG1000
- This kit is expensive as a result there will be a 500$ charge if you break it or fail to return it
28 – Home Improvement Kit

Kit Contains
1 – Hand driver
1 – Hammer
10 – Driver bits
16 – Allen keys
1 – Measuring tape
1 – Laser level (w\ batteries, 6 in. ruler, mini-screwdriver)
1 – Pliers
~ – Assorted fasteners

Notes
- If you need help or a different tool come by MakerWorkshop and we will help
Kit Contains
1 – Besteker video camera
2 – Soft carrying cases
2 – Rechargeable Battery (1 should be kept inside camera, 1 in charging station)
1 – Battery charging station
1 – 32GB SD Card (inside camera, remember to wipe after use)
1 – Remote control
1 – Manual
1 – Mini USB cable
1 – HDMI cable

Notes
- Please return the camera in its default settings with the memory card cleared and the battery charged
- This camera is expensive as a result there will be a charge if you break it or fail to return it
- If you need help with this camera please come by MakerWorkshop
- If you are unsure of how to do something with the camera please come by MakerWorkshop and we will help
Kit Contains
1 – Sewing Machine
1 – Foot Pedal
1 – Power Cable
1 – Set of Thread and Bobbins
1 – Scissors
1 – Seam Ripper
1 – Thread Guide
1 – Set of Needles
2 – Thimbles
1 – Measuring Tape
1 – Manual

Notes
If you need help or a different tool come by MakerWorkshop and we will help
Kit Contains
1 – Vinyl cutter
1 – Cutting mat
2 – Cricut markers
1 – Assorted vinyl
1 – Power cable
1 – USB-B cable
1 – Manual

Notes
*If you need help or a different tool come by MakerWorkshop and we will help*