RASPBERRY PI

FOR ONLINE STUDENTS
### Raspberry Pi Build Sheet

Comes with Raspberry Pi 3 Model B w/ 64bit Quad-Core 1.2 GHz Processor, a 5VDC 2.4A USB power supply, a 16GB microSD card pre-loaded with NOOBS operating system, and a case.

**Inland iK100 USB 107-Key Keyboard** – $3.99

**Inland USB Optical Mouse** – Black - $3.99

**HDMI Cable** - Targus 6 ft. All Direction HDMI Cable – $7.99

**4GB USB 2.0 Flash Drive (Optional)** - $4.49

**Heat Sinks (optional – recommended)** –  
- Adafruit Industries Aluminum Heat Sink for Raspberry Pi 3 - 14 x 14 x 8mm = $1.49 x 2  
- Adafruit Industries Mini Aluminum Heat Sink for Raspberry Pi 3 - 13 x 13 x 3mm = $0.99

**Total** = $84.42 (pre-tax) as of 8/2/17
**MY RECEIPT**

(purchased a few months ago)
JUST OUT OF THE BAG

One computer, coming up!
INSIDE THE PI 3
MODEL B
UNPACKING
PEEL AND STICK
Reducing heat with small heat sinks
BLACK SQUARES

Stick heat sink to chip
FLIP THE BOARD

Peel and stick the silver square to the black chip
STICK

Silver square in place
FLIP AGAIN

One more to go
STICK IT

Match 2nd black heat sink to small black chip
TOP OF BOARD

Heat sinks attached
ASSEMBLE CASE

Look at the two halves
SEAT MOTHERBOARD

Line up USB side
SETTLE IT IN
PUSH IT DOWN

Hard
BOARD IS SET
LINE UP CASE TOP
SNAP TOGETHER
PULL OUT SD

Use fingernail
READY TO INSERT SD
Insert SD

Face the metal to the board and push in until it clicks.
PLUG IN POWER

Next to HDMI port
PLUG IN USB DRIVE
USB PLUGGED IN
PLUG IN MOUSE AND KEYBOARD
PLUG IN HDMI
Next to the power
PLUG HDMI CABLE INTO MONITOR/TV

PLUG POWER INTO THE WALL
READY FOR SOFTWARE SETUP