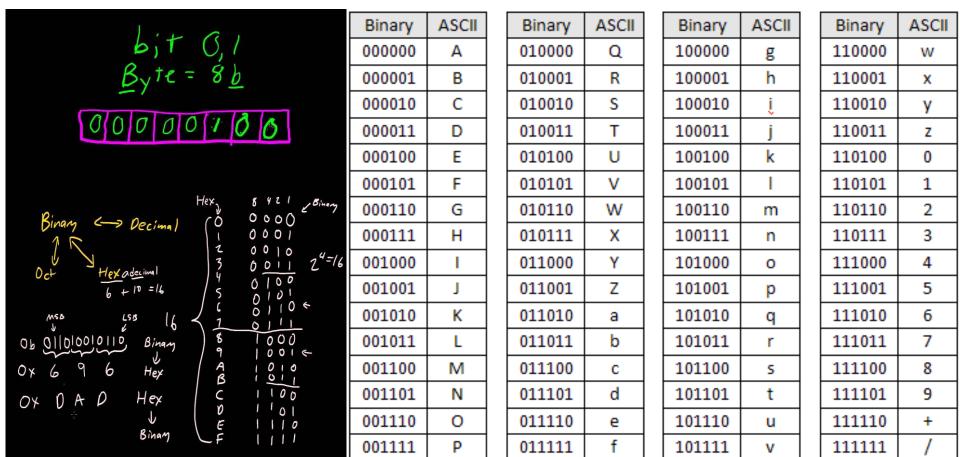


Richmond Minorities in Engineering Partnership

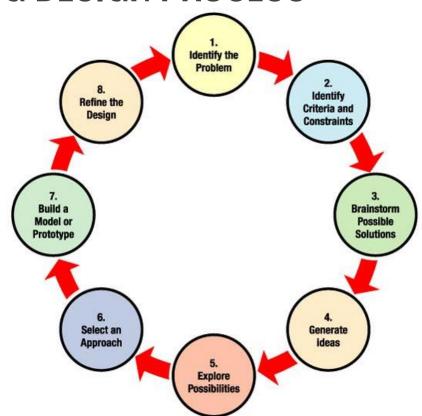
2016 Phase I - VSU
Mr. J. E. Odom, Instructor
Ms. Taylor McMichael - Instructor Aide

Phase One - Week One



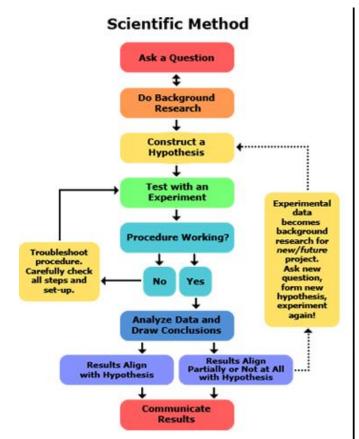
ENGINEERING DESIGN PROCESS



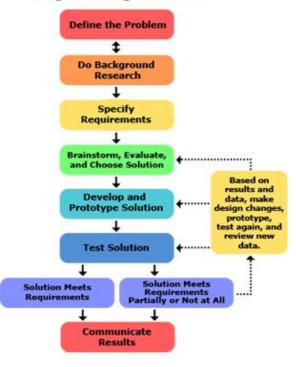




COMPARE & CONTRAST OF EDP & SCIENTIFIC METHOD

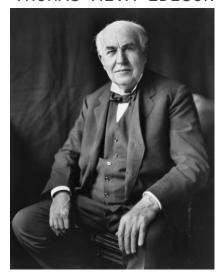


Engineering Method



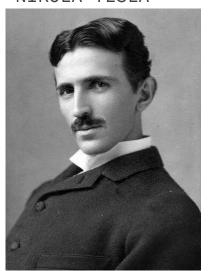
Electrical History

THOMAS ALVA EDISON

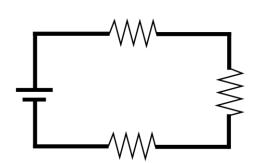




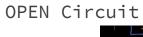
NIKOLA TESLA

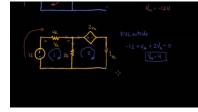


Electrical Circuits

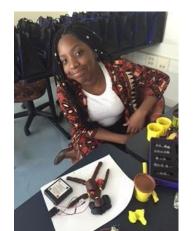








 R_1 R_2 R_n



Closed Circuit





Electrical Terms

Conductor

Insulator

Electron

Electronic

Electricity

Static

Resistance

Bit

Byte

Alternating Current

Direct Current

Ohm's Law

Current

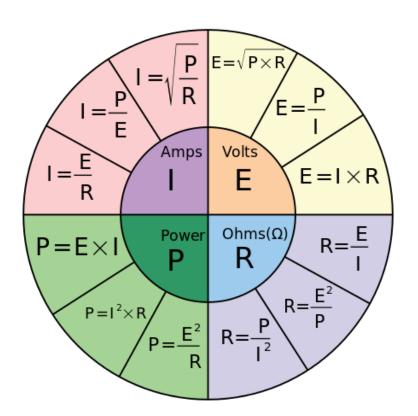
Voltage

Electrical Safety





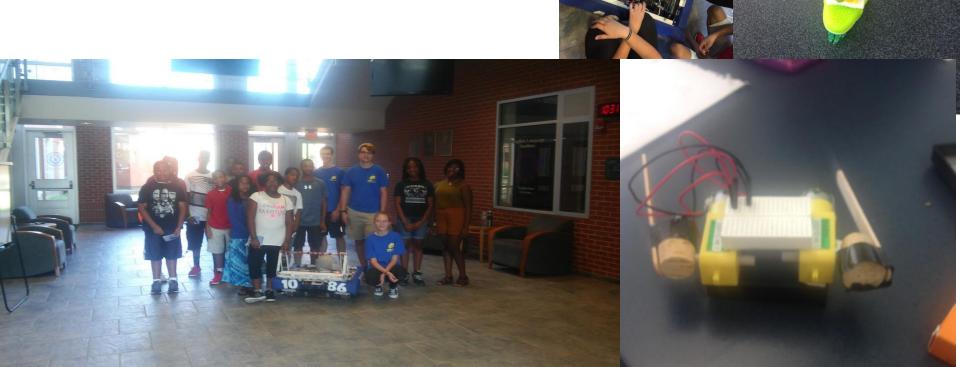
OHM'S LAW



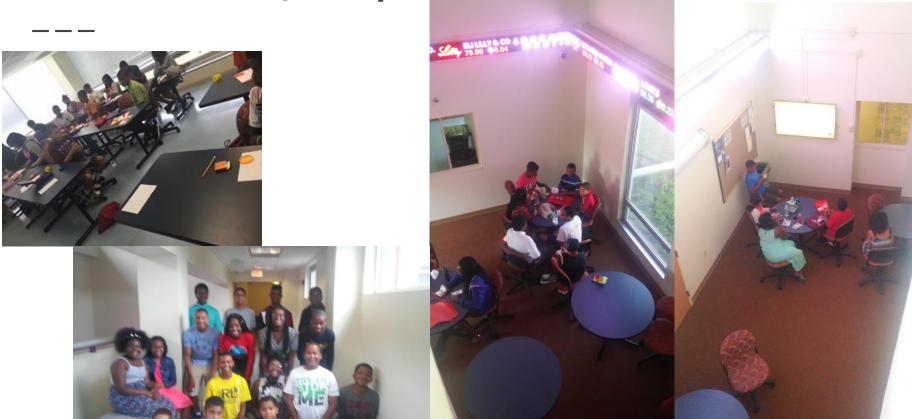




ROBOTICS



Phase I Summary Perspective



Phase One Theme Song - Squishy Circuits

Chorus:

We LEARNED about squishy circuits x8

Put cords(wires) together it lights up the squishy circuits and it lights up! Black cords is negative. Red cords are positive. 2 batteries in a pack. Of mine work don't get mad cause I'm not goin get sad! I need a break! I need a Big Mac back to work need to stay in tack ran off on it back to back touch the wire and you'll get zapped I'm so hungry I need a snack phase one is A1 phase 2 ain't make nun phase 3 can't say nun this rap ain't take nun.

Chorus:

We LEARNED about squishy circuits x8