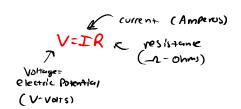
Basic circults



Resources

https://www.allaboutcircuits.com/worksheets/simple-circuits/

Worksheets / exercises:

http://mrsfranklinclassroom.weebly.com/uploads/1/3/3/9/13393756/11-4 worksheet.pdf http://www.mysciencesite.com/Middle School Science - Basic Circuits.pdf https://www.livingston.org/cms/lib9/NJ01000562/Centricity/Domain/833/circuitsolutions.pdf 3000 solved problems in physics, chapter 27

Series Parallel
$$V_t = V_1 + V_2 + V_3 + \dots$$
 https://byjus.com/physics/difference-between-series-and-parallel-circuits/

Current
$$I_{tot}=I_1=I_2=...$$
 $I_{tot}=I_1+I_2+...$

Resistance
$$R_{1}+R_{2}+R_{3}+...$$
 $\frac{1}{R_{t+1}}=\frac{1}{R_{1}}+\frac{1}{R_{2}}+...$

Use V=IR to derive multiple forms