

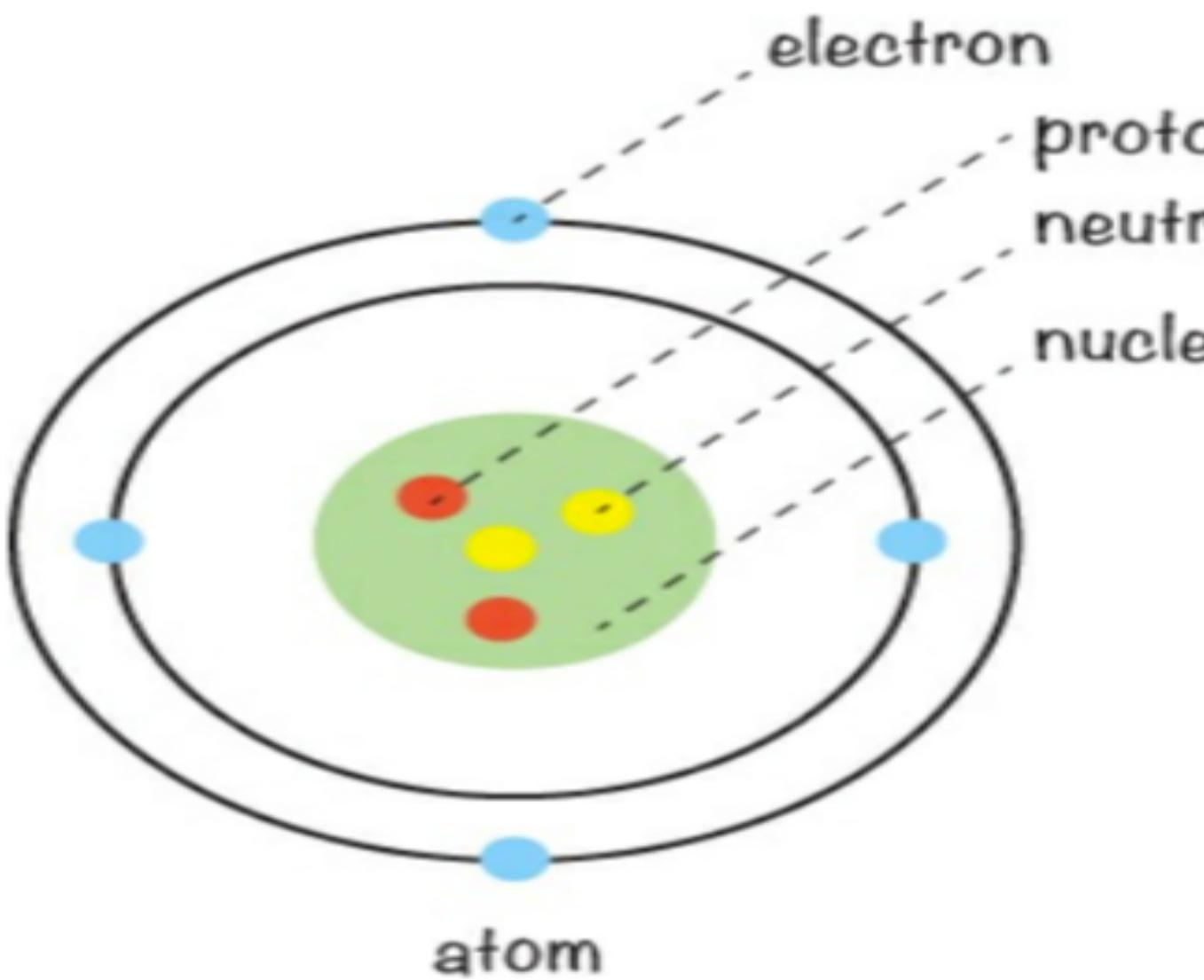
Week 5

Trinity - Introduction to Technology

09/11/2023

Quick Review from what we learned last couple weeks, then learn about a new technology and watch a short video. Lastly we will practice our touch typing from our On-Line Resource!

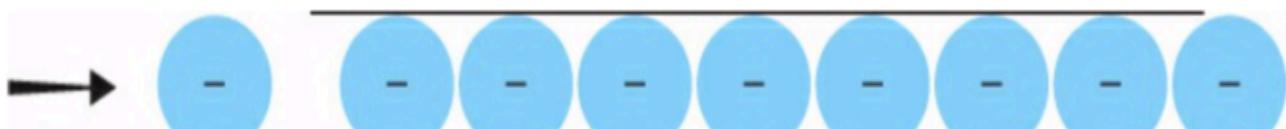
Last week we learned that the smallest thing is called an ATOM. Atoms have a nucleus with protons and neutrons, and electrons orbit around the nucleus...



Voltage Pushes Electrons

When you attach a battery to the light bulb, you're applying a *voltage* across the filament inside. Voltage pushes electrons through the wire and is measured in *volts (V)*. The higher the voltage, the more electrons will flow through the wire.

Think of a wire like a tube filled with marbles: when you put a marble in on one side, a marble pops out on the other side at the exact same time, with no delay.



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The more marbles you push in one side, the more pop out of the other. That's how electrons behave inside a wire, when a voltage is applied to them.

Also we saw that a multi-meter can measure a small voltage that can follow a closed circuit, but does not travel in an open circuit...

The week before that we learned about fasteners and measuring...

A **fastener** is a hardware device that mechanically joins or affixes two or more objects together. In general, **fasteners** are used to create **non-permanent joints**; that is, joints that can be removed or dismantled without damaging the joining components. Lets think of one of the mechanical components that goes into the parts of a robot; **fasteners**. A **fastener** is a hardware device that mechanically joins or affixes two or more objects together.

Examples of Fasteners includes:

Screws, nails, bolts & nuts, and more...

Today we are going to learn more about technology.

The definition of technology
is the application of scientific knowledge for practical purposes or applications.

Technology uses scientific principles, and applies them to change the environment in which humans live.

Technology can also use scientific principles to advance industry or other human constructions.

One use of Technology is 3D Printing.

3D printing is the construction of a three-dimensional object from a CAD model or a digital 3D model.

It can be done in a variety of processes in which material is deposited, joined or solidified under computer control, with material being added together (such as plastics, liquids or powder grains being fused), typically layer by layer.

Here is a short video:

[1https://www.sciencekids.co.nz/videos/technology/3dprinting.html](https://www.sciencekids.co.nz/videos/technology/3dprinting.html)

Next we will go to our on line resource:
www.trinityhomeschool.typingclub.com

Remember:

The WIFI is
Network = Oakwood

Password = 8139692303