

## **BLUETOOTH - What is it?**

- A form of wireless communication using radio waves
- Used to connect devices together within a short distance (usually 30 feet max)
- A computer chip with a Bluetooth radio and software is built into each device
- First – devices need to “pair” in order to communicate with each other
- Turn Bluetooth on, on each device you want to connect
- Then scan to find the Bluetooth enabled device within range
- A list of all Bluetooth devices will be presented
- Choose the one you want and they will be paired and can communicate
- If your device does not appear in the list turn Bluetooth off and back on rescan and try again

***Great for speakers, headphones, keyboards, printers and more***

***New cars are usually equipped with Bluetooth so you can pair your phone and  
Use the car radio as the speaker – allowing hands free calling***

4.0 is the current version of Bluetooth

The latest technology is called Bluetooth SMART, it is faster and energy efficient. A wireless keyboard and mouse could conceivably last 5-7 years before needing a fresh battery.

## *The Future of Bluetooth*

- *Socks – sensors to monitor diabetic foot ulcers or alert elderly they are losing their balance*
- *Shoes – embedded sensors monitor workouts or athletic performance*
- *Basketball – embedded Bluetooth sends data back to App to analyze performance*
- *Water Bottles – sensor attached to bottom of bottles periodically weighs the bottle to see how much was consumed, might work on soft drinks to detect sugar intake*
- *Teeth – a mouth guard that lets you know if you are grinding your teeth as you sleep*
- *Hats – Beanies that let you listen to music or take calls hands-free*
- *Baby Pacifier – Monitors baby’s temperature to alert when ill*
- *Anything You Can Imagine*

**For more info <https://www.bluetooth.com/what-is-bluetooth-technology>**