

Oscilloscope Merit Badge Assessment

Instructions: do each of the following and submit to your instructor.

- 1.) Identify why you would use an oscilloscope over other electronics tools such as a multimeter.
- 2.) Read through the "XYZs of Oscilloscopes" by Tektronix and the associated glossary.
- 3.) Complete the oscilloscope exercises by Tektronix.
- 4.) Be prepared to answer several questions in regards to the reading.
- 5.) Be prepared to demonstrate the capture of a sine and a square wave. You must bring your own equipment (except for the oscilloscope).
- 6.) Be prepared to demonstrate the determination of voltage of a circuit using an oscilloscope.