# TECH:Medical Technology - Diagnostic (HST)

### Summary

This activity explores diagnostic methods used today in the medical field, X-rays, Ultrasound, MRI, CT-PET Scans, and endoscopy.

#### Time Frame

1 class periods of 45 minutes each

### Group Size

**Small Groups** 

#### Materials

Video on medical technologies, small video camera with monitor, Mannequin, dummy, or even a large shoe box, hemostats or tweezers string to tie knot in or bullets to remove The State Office of Education has the assembled a kit for each school. Please contact Melvin Robinson or Scott Snelson to request a kit. One kit per school. The Kit includes: a video on medical technologies, a small video camera, and two hemostats. If you would like additional cameras or hemostats please refer to the document "Camera and Hemostat Information" below.

#### Intended Learning Outcomes

Students will learn medical terminology used in diagnosis. Students will explore the dexterity needed by a doctor to perform surgery.

#### Instructional Procedures

Show 15 minute video on medical technology, Students will then complete activity with video camera and dummy to tie a knot in a string to simulate a blood vessel or remove a bullet. Students finish the activity by answering questions and vocabulary words.

## Strategies for Diverse Learners

Students can explore other health care careers on the internet.

## Bibliography

Medicine's New Vision Howard Sochurek ISBN: 0-912734-25-6 Condensed article in National Geographic Jan 1987

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