

## VITAL INFORMATION

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<b>Subject(s):</b>	Careers, Computer Fundamentals 1-2
<b>Topic or Unit of Study:</b>	Software Development
<b>Grade/Level:</b>	9-12
<b>Objective:</b>	At the conclusion of this lesson students will be able to: <ol style="list-style-type: none"><li>1. Describe some basic trends related to text/data processing.</li><li>2. Offer a reasoned opinion about the continuation and consequences of these trends.</li></ol>
<b>Summary:</b>	Students watch the video The Machine is Us/ing Us about trends in information technology, especially about text and communication. They then answer questions regarding the trends, and thus about their futures.

## IMPLEMENTATION

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<b>Learning Context:</b>	We watched one video earlier about shift happening and one class even watched this video as well. We've been working with text, so it is interesting to see what computers are doing with text presently. We also need a short activity that won't interrupt an excess of programming work while still on topic but in the periphery enough to be a break from the usual.
<b>Procedure:</b>	<ol style="list-style-type: none"><li>1. Introduce the topic referring to the learning context above and information from the web page.</li><li>2. Let students preview the questions and then watch the video.</li><li>3. Allow around ten minutes to write answers and then collect papers.</li><li>4. While students work on other projects, tally the results to the yes/no questions on the board.</li><li>5. Announce results and collect a spoken why answer from both sides, referring to the papers if volunteers need to be recruited.</li><li>6. Encourage discussion if it forms.</li></ol>
<b>Differentiated Instruction:</b>	There is little differentiation in this assignment.
<b>Sample Student Products:</b>	None.

**Collaboration:** Students will work individually.

**Time Allotment:** 1 class period. 25 Min. per class.

**Author's Comments & Reflections:** Individuals should interact during the discussion.

## **MATERIALS AND RESOURCES**

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**Instructional Materials:** Class web site with link to the YouTube video (or a downloaded version)

**Resources:**

## **STANDARDS & ASSESSMENT**

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**Standards:**

 **AZ- Career and Technical Education Programs**

- **Level :** Career Preparation (Grades 10 - 12)
- **Program :** Information Technology CIP No. 15.1200
- **Option :** Software Development - Option C
  - **Competency :** \*13.0 EXPLORE THE THEORY AND PRACTICES OF INFORMATION TECHNOLOGY
    - **Indicator :** 13.2 Summarize application planning, development and risk management for an information system
    - **Indicator :** 13.3 Discuss future trends in information technology

**Assessment/Rubrics:** For each question check for a reasonable and complete answer that does not contradict any information from the video (at least not without basis). This is mostly for class participation style points.