## NEW YORKTONTE DUCATION DEARTMENT MIDDLE LEVELABEER ANDETCHNICAL EDUATION

TECHNOLOG DECATION

THE NATURE OF TECHNOLOGY

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## 2. THE CORE CONCEPTS OF TECHNOLOGY

### STUDENTS WILL:

- a) Identify and describe technological system components that include input, process, output, and feedback elements
- b) Describe how system components relate to be ather in open and closed oop systems
- c) Analyze how system components can interconnect to one another to create larger and more complex systems
- d) Assess how missing components or malfunctions impact the operation of a system
- e) Evaluate the tradeoffs of diffent technologies and compare the compromises between competing factors
- f) Describe system maintenance that is required to keep a system operating properly, to keep it operating longer, or to improve its performance

## 3. THE RELATIONSHIPS AMONG TECHNOLOGIESEAQONNECTIONS BETWEEN TECHNOLOGY AND OTHER FIELDS

#### STUDENTS WILL:

a) Analyze the interaction of systems and the interrelationship of technological environments

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https://www.careerzone.ny.gov

Career Zone is a not state online career exploration and planning tool developed by the New York State Department of Labor. It offers career and education information on thousands of careers,