TRANSPARENCIES FOR UNIT 3

TECHNOLOGY

DEVELOPMENT

ANCIENT: SYSTEMATIC TREATMENT OF AN ART

MODERN: EXCLUSION OF FINE ARTS

ASSOCIATION WITH LARGE-SCALE PRODUCTION

ALL OF THE PRACTICAL ARTS

TYPES OF TECHNOLOGY

- **ANY HUMAN ACTIVITY CONCERNED WITH THE MAKING AND DOING OF USEFUL THINGS**
- **THE MEANS BY WHICH THESE ACTIVITIES ARE ACCOMPLISHED**
- **THE THINGS PRODUCED BY THOSE MEANS**

TECHNOLOGIES = USEFUL THINGS

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INTANGIBLE TECHNOLOGIES

- ☐ TECHNOLOGY IS NOT MERELY HARDWARE
- ☐ TECHNOLOGY INCLUDES THE WAY THINGS ARE MADE OR DONE
  - TECHNIQUES
  - METHODS
  - APPROACHES

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KNOWHOW

KNOWHOW IS A VALUABLE COMMODITY

KNOWHOW TRANSFER

- ☐ THE MOVEMENT OF PEOPLE
- ☐ PERSONAL CONTACT
  - OJT
  - EDUCATION

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LET'S GET UNPHYSICAL

TECHNOLOGIES IN PHYSICAL FORM

- PRODUCTS
- PROCESSES

IF YOU CAN'T TOUCH IT YOU CAN'T USE IT

BUT

TECHNOLOGIES ARE NOT PHYSICAL THINGS

- INVENTIONS ARE NOT OBJECTS
- MOST TECHNOLOGIES NEVER BECOME OBJECTS
- SOME TECHNOLOGIES RESULT IN MANY TYPES OF OBJECTS

TECHNOLOGIES ARE IN PRODUCTS

PROCESSES ARE TECHNOLOGIES

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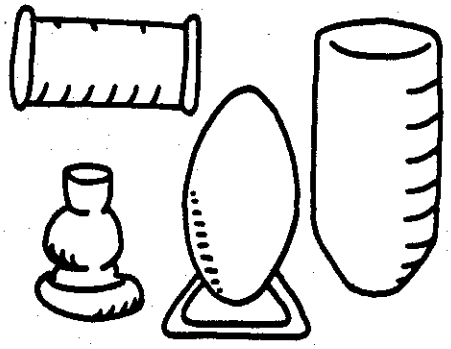
A TECHNOLOGY IS AS A TECHNOLOGY DOES: PROCESSES

NOT



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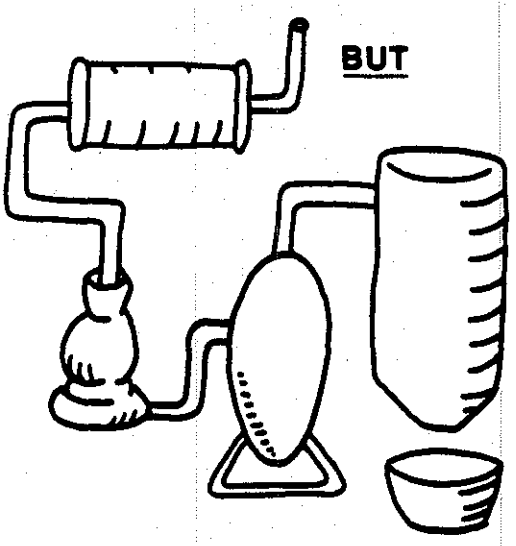
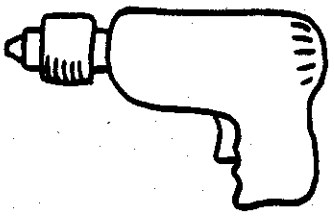
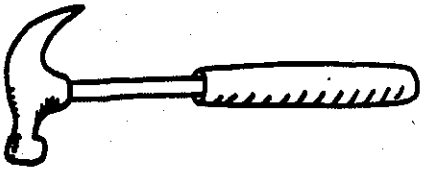


A TECHNOLOGY IS AS A TECHNOLOGY DOES: PRODUCTS

NOT





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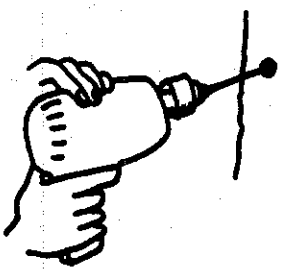

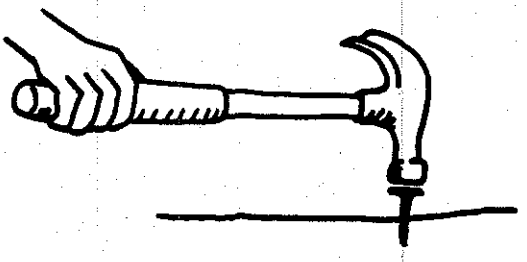

FUNCTION: THE ACTION FOR WHICH A THING IS SPECIALLY FITTED

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IMPORTANCE OF FUNCTIONAL CONCEPT

- LABORATORIES TRANSFER TECHNOLOGIES, NOT OBJECTS
- IDENTIFICATION SHOULD CENTER ON FUNCTION
- TECHNOLOGIES MAY BE UNIDENTIFIED

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