

What is Technology?

Introduction to Technology

Technology –

Designated Areas of Technology:

Areas	Details
1.	
2.	
3.	

Careers in Technology:

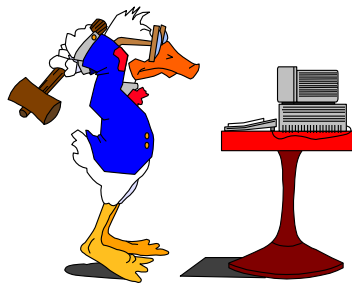
- Engineer
- Architect
- Computer Engineer
- Astronaut
- Drafting
- Machinist
- Biomedical
- Telecommunications
- Graphic Communications
- Video Production
- and MANY more!



Who is a Technologically literate person?

Understands:

How does Technology influence our everyday lives?



This is not an example of Technological Literacy!

Systems in Technology:

Define “System”-

Systems we use everyday include –

The Universal Systems Model –

Inputs of the System - Resources

Tools / Machines / Processes-

Materials -

People -

Capital \$\$ -

Energy -

Time -

Information -

*The 7 resources of Technology

Problem Solving Process:

1. _____ – a need is defined.
2. _____ – make them realistic and consider your resources
3. _____ – get the necessary information to solve the problem.
4. _____ – brainstorming (thumbnail sketches)
puts ideas into motion.
5. _____ – rank your ideas by how well they solve the technical challenge using a design matrix.
6. _____ – make the design come to life!
7. _____ – use the design in real life testing situations.
8. _____ – evaluate the test results. Can the design be improved? Does it need some work to become perfection? Does it solve the problems and satisfy your initial goals? Go back and make improvements.



Junkyard Wars on TLC is a good example of Problem Solving techniques you will be using in the Tech Lab.