

# STANDARDS-BASED TECHNOLOGICAL STUDIES LESSONS

## ITEA-KITS (*Kids Inventing Technology Series*)

This series of lessons is designed to supplement *Standards for Technological Literacy: Content for the Study of Technology* through the use of classroom activities that are directly linked to recommended elementary courses and present a variety of contemporary methods that infuse recent research concerning learning and teaching. Each lesson provides detailed guidance for teacher preparation and implementation and includes ready-to-duplicate student handouts and reflection questions, with multiple assessment strategies.

**\$20 each; Members \$15 each**



### ORDER INDIVIDUAL ACTIVITIES ONLINE!

The KITS and HITS series of classroom activity guides may also be ordered individually by visiting the ITEA website at [www.iteaconnect.org/Publications/publications.htm](http://www.iteaconnect.org/Publications/publications.htm). Simply click on GO!, check off the desired activity titles, and submit the online form. Your credit card will be debited \$5.00 for each activity. You will receive each activity via email in pdf format.



## KITS Volume 1, #1

Communication Symbols  
Housing  
Manufacturing Enterprise  
Technology and Waste  
What is Technology?

**PK1-1**

## KITS Volume 1, #2

Development of Technology  
Forms of Energy  
How Things Work  
What is Design?  
What is a System?

**PK1-2**

## KITS Volume 2, #1

Communication Media  
Inventions and Innovations  
Technological Symbols  
Transportation Systems  
What is Engineering Design?

**PK2-1**

## KITS Volume 2, #2

Communicating Designs  
Design Requirements  
Experimentation and Research  
and Development  
The Human-Made World  
What are Materials?

**PK2-2**

## KITS Volume 3, #1

Collecting and Analyzing Data  
Developing Design Solutions  
Parts of a Structure  
Technological Interactions  
Technology and Human Needs

**PK3-1**

## KITS Volume 3, #2

Agricultural Technology  
Designing Manufactured Things  
Needs and Wants in the Design  
Process  
Tools Make Work Easier  
Transportation Vehicles

**PK3-2**

## KITS Volume 4, #1

Exchanging Information  
Farming and Technology  
Technology and Medicine  
Troubleshooting  
Using Technological Devices

**PK4-1**

## KITS Volume 4, #2

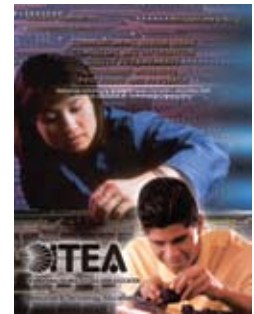
Designing with Needs in Mind  
Experimenting with Technology  
Product Design and Redesign  
Space Transportation  
Technology Transfer

**PK4-2**

## ITEA-HITS (*Humans Innovating Technology Series*)

These lessons are designed to supplement *STL* through the use of classroom activities that are directly linked to recommended secondary courses and present a variety of contemporary methods that infuse recent research concerning learning and teaching. Each lesson provides detailed guidance for teacher preparation and implementation and includes ready-to-duplicate student handouts and reflection questions, with multiple assessment strategies.

**\$20 each; Members \$15 each**



## HITS Volume 1, #1

Development of Technology  
Technology and the Environment  
Technology Transfer  
What is Engineering Design?  
What is a System?

**PH1-1**

## HITS Volume 1, #2

Invention and Innovation  
Learning How Things Work  
Models and Prototypes  
What is Design?  
What is Technology?

**PH1-2 print version sold out  
Available on CD only**

## HITS Volume 2, #1

Technological Impacts  
Technological Influence Upon  
History  
Technology and Ecosystems  
Technology and Human Needs  
Transportation Systems

**PH2-1**

## HITS Volume 2, #2

Communicating Design Ideas  
Computers and Information  
Design Requirements  
Designing Messages  
Processes and Feedback

**PH2-2**

## HITS Volume 3, #1

Agricultural Equipment  
Artificial Ecosystems and Habitats  
Energy Conversion  
Manufacturing Processes  
Transportation Vehicles

**PH3-1**

## HITS Volume 3, #2

Communicating with Symbols  
Communication Media  
Human-Made World  
Manufacturing Enterprise and  
Marketing  
Transportation Processes

**PH3-2**

## HITS Volume 4, #1

Applying Energy  
Consumers and Information  
Evaluating Designs  
Shaping Technology  
Technology and Society

**PH4-1**

## HITS Volume 4, #2

Experimentation and R&D  
Impacts of Technology  
Operating and Maintaining  
Systems  
Parts of a Structure  
Promoting Products with  
Communication Technology

**PH4-2**