

Design: problem solving

STOP MOTION
TELL A STORY
CLAYMATION

STEM
Science
Olympiad

Construct
Ideas

Build on Ideas



NATIONAL SCIENCE FOUNDATION

Observe
Identify the problem at hand
Orient
Identify Experience
Mobilize and Engage the organization
Act
Decide
Focus Efforts on High Value Customers

**SCRATCH
OBJECT
BASED
PROGRAMS**

DO
MEANINGFUL
ITERATIVE
DESIGNS



CAD
KNOWLEDGE
SKILL BUILDER
SKETCHUP
LEGO
LOGO

SEYMOUR
PAERT

VoiceThread



REFLECTION /
EVALUATE

PROTOTYPE /
SOLUTION

EXPLORE
ALTERNATIVES

DEFINE THE
PROBLEM

Communication

Asynchronous

Online School for Girls –
Integrated audio, video, & desktop

Videoconferencing

Collaboration



CHAT
IM

Discussion Boards for Argumentation

IWB