

WNYIC Educator's Workshop

Welcome and Introductions (8:30-9:00)

Invention and Innovation (9:00-9:30)

Invention in a Bag
Characteristics of inventions
Research and inventions

The Invention Convention Worldwide program (9:30-10:00)

Problem identification
Essential elements
Incorporating the program in your school
STEM and other programming

BREAK

The Importance of Invention Education (10:30-11:00)

GE commercial
Standards and standardized testing
Lost Einstein Research
Invention in popular media
Welcome to Survivor

The Invention Process (11:00-12:30)

Invention process vs the engineering design process
The steps of the invention process
The Invention Log
Step 1: Identifying - Object Everyday
Step 2: Understanding
Step 3: Ideating - Scamper

LUNCH

The Invention Process cont' (1:00-2:00)

Step 4: Designing
Steps 5 & 6: Building and Testing - Nuclear spill activity
Step 7: Communicating - Display board & Presentation

School Implementation (2:00-3:00)

Timeline
Community involvement
Pacing guide

ICW Curriculum (3:00-3:30)

Website
Activities
More resources

Judging (3:30-4:00)

Judging Rubric
Nationals
Invention Cost