



A free summer workshop
June 29th & 30th, 2006

K-12 teachers and informal educators are invited to attend our annual Summer Institute! This year we will be focusing on pop-up mechanisms and logic circuits. The workshop will begin with some mapping and symbols activities, which will prepare the way for symbolizing and mapping circuits and pop-ups. All activities are hands-on, and include both analysis of existing things and design of new ones. The institute will conclude with an open discussion of how these activities might translate into classroom situations.

Thursday, June 29th

8:30 - 9 AM	Breakfast
9AM - 12 Noon	Symbols and Maps <ul style="list-style-type: none"> ▶ Map Scavenger hunt ▶ Analyzing symbols ▶ Design your own symbol ▶ Map this room ▶ Comparing room maps
12 Noon - 1 PM	Lunch
1 - 4 PM	Pop-ups <ul style="list-style-type: none"> ▶ Examining pop-up mechanisms ▶ The angle fold and the parallel fold ▶ Mapping pop-up mechanisms ▶ Compound pop-ups ▶ Algebra and geometry from pop-ups

Friday, June 30th

8:30 - 9 AM	Breakfast
9AM - 12 Noon	Logic Circuits <ul style="list-style-type: none"> ▶ Batteries and bulbs ▶ Making and adding a switch ▶ Mapping circuits ▶ AND, OR and Exclusive OR circuits ▶ Dissecting hardware-store switches
12 Noon - 1 PM	Lunch
1 - 3 PM	Extensions of pop-up and logic circuit activities
3 - 4 PM	Discussion of educational goals and classroom implementation



Application deadline is Wednesday, June 21st!