

Nano for Summer Camps



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Nano Summer Camp

For 5-8 year olds
Summer, 2013



Just because you can't see something
doesn't mean it isn't there!

Energy

Heat/Sound



Touch and See Square



Fortune Fish



Horton Hears a Who

Energy Plasma



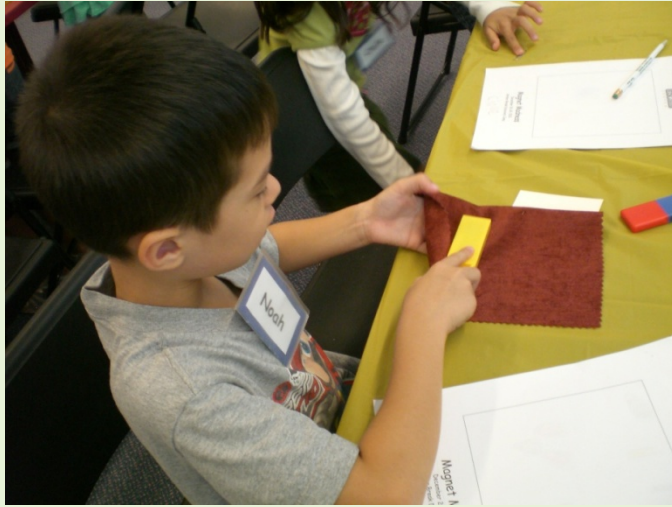
Lighting the bulb by making a circuit.



Ribbons of color follow the touch of a finger to the Plasma ball.

Unseen Forces

Magnetism



Exploring the Unseen World – Nano Camp Spring/Summer 2013



Meghan Schiedel
Curriculum Developer
The Terry Lee Well's Nevada Discovery
Museum

Camp Development



Grades – 5-7

Funding – NISEnet mini grant

Resources –

- NISEnet Nano camp framework
- 2011-2012 Nano days kits
- Additional online resources
- National meeting sessions on camps



Camp Outline

| Day | Monday | Tuesday | Wednesday | Thursday | Friday |
|--------------|-------------------------|----------------|-----------------------|-----------------------|--|
| THEME | Just how small IS nano? | Nano in nature | New in Nanotechnology | Special tools in nano | Nanotechnology leads to new knowledge and innovation |



Challenges or Things to Consider



- Selling it!
- Scheduling scientist
- Balancing fun with learning goals



Ag and Nano Summer Camp

- Day 1 – What is Nano
- Day 2 – Nano and Nature
- Day 3 – The Sweet Life
- Day 4 – Special Tools
- Day 5 – Innovation



What made it different?

- 33 students/11 FFA
- Nominated by teacher
- Held at school site
- Each day featured:
 - Guest scientist
 - Box of Science (Homework)
 - Food



Day 1 Homework – Insect Collecting



Snowflakes and Crystals

