

## Science in the Summer

### Summer Offers Time for Fun, Hands-on Science Exploration

*Lazy summer days and lemonade? What could you build, test, design, explore?*

School may be out for the summer, but that doesn't mean scientific inquiry has to get tucked away with your backpack, lunchbox, and No. #2 pencil! **Summer is ripe with opportunities to ask questions and seek answers**, whether it's on a [family camping trip](#), in the [kitchen](#), by the [beach](#), while [tie-dyeing](#), with a [guitar](#) in hand, using a bucket of [LEGO®](#), in the [garden](#), or even with a bit of [fire](#).

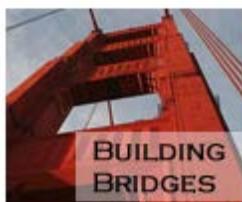
No matter what your hobby--or where your family might be headed for a summer getaway--you can find a science angle to investigate... **just because you want to!**

**And that No. #2 pencil?** There's a lot you can learn from a trusty stick of graphite. Experiment with [resistors and circuits](#), re-wire a light to use a [dimmer](#), or investigate [thigmotropism](#) in touch-sensitive plants. (Think a pencil's just a pencil? Check out last-year's Nobel-winning research on [graphene](#).)



**What will you explore?**

## Making Connections



## Kudos!

Congratulations to recently-announced [winners](#) in the **2010 Science Buddies - Lick Observatory Astronomy Contest**. Winners received cash awards and equipment, courtesy of Celestron, for **thinking big and beyond!**

## Summer 'Fellows'

**Science Buddies is excited to welcome its first group of Summer Science Fellows!** This summer, six recent graduates, all of whom participated in the Intel ISEF as seniors, are applying their science expertise and enthusiasm to various projects for

## Beat the Heat

### Summer Days and Summer Rays

Bright, warm, and long summer days can give added zing to your solar-powered projects. From being UV-savvy to thinking about the ways in which solar energy offers smart and exciting solutions for a "greener" tomorrow, the following projects are all sun-warmed:



- [Solar Speedway](#)

[The Frightened Grasshopper: Explore Electronics & Solar Energy with a Solar-Powered Robot Bug](#)

- [From Brine to Beverage: Solar-Powered Salt Removal](#)
- [Get Something for Nothing: Free Power from the Sun!](#)
- [How Does Solar Cell Output Vary with Incident Light Intensity?](#)
- [The Speed of Light: Explore Solar Energy with a Supercapacitor Car Motor!](#)
- [Colorful Chemistry Creations: Make Your Own Sun Print with Color and Sunlight!](#)
- [Don't Get Burned! Measure the UV Index at Different Times of the Day](#)
- [Build Your Own Helio Tracker-a Self-powered Mechanical Sunflower that Turns with the Sun\\*](#)

Science Buddies. In addition, [the Fellows](#) will attend special presentations designed to help them as they transition to college and into the larger scientific community.

### Follow Us

Stay in touch day to day and all summer long by joining our [Facebook community](#). Click "Like" to add us to your favorites!



### Your Science Stories

- Are you at science camp this summer? If you are spending time in a summer science program and **having fun exploring science** in exciting hands-on ways, we'd love to [hear your story!](#)



### Quick Links

- [Project Ideas](#)
- [Topic Selection Wizard](#)
- [Project Guide](#)
- [Scientific Method](#)
- [Careers in Science](#)
- [Ask an Expert Forums](#)

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