

Spectrum of Science Foundation

# SPECTRUM OF SCIENCE

## 2017 STEM SUMMER CAMP

### CAL STATE EAST BAY

4700 Ygnacio Valley Rd, Concord, CA 94521

CONCORD

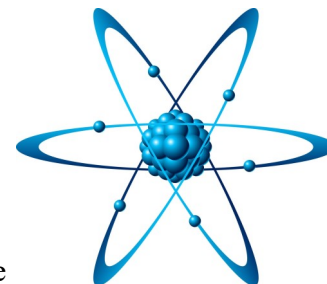
#### COLLEGE FOR KIDS: CHEMISTRY

**CHEMISTRY 101: CREDIBLE CHEMISTRY!** Chemistry is mixing **stuff!** What is that stuff? **Formulate** bedazzled potions! Rustle up sparking lumps & stumps! Test & observe chemical reactions in **snacks!** What is a **titration** reaction? Do you like to **spit?** This activity is for you!! **SOSF Collective Chemistry formulas** included! (All chemicals are safe for children to handle – no dry ice!)



**CHEMISTRY 102: CHEMISTRY: TINKERING WITH CHEMISTRY!** **Experiment** with variations of the same chemicals! Is it plant or animal? Does it **move** by itself? Yes, this is chemistry! Is it hot or cold? Can we change it?? Look at the **Periodic Table** – can you make an element? Will your special **goo glitter?** Can we make a lot of mess with **explosions??** Yes, is the answer!! Come and become a curious chemist!! All children will receive the **Spectrum of Science Chemistry Lab Workbook** via e-mail at the end of the session!

**CHEMISTRY 103: SCRAPPING WITH CHEMISTRY!** Learn techniques to make paper old quickly! Test a variety of inks while you stamp along! Make a **technique tab** ring for future reference! **Decoupage** on wood rounds! Be creative - ideas, **inspirations** and mediums abound! Glitter & glow projects!



#### COLLEGE FOR KIDS: PHYSICS

**PHYSICS 201: PHYSICS LIKE YOU HAVE NEVER DONE BEFORE!!** Remember the scientific method? Imagine - **experiment** - design it - make it! **Crumble it**, charge it, rip it, snip it, drip it, drop it! Can you **duplicate** it? Release your inner scientific imagination! And have fun! Physics works!

**PHYSICS 202: PHYSICS & FUN!** Bend the rules & create with curves! Join in this mish mash of **deconstruct & reconstruct!** ! Your imagination, your design, your project! Will it become a **robot** or a **space explorer?** Make it move or light up! Observe it, smash it & build a “what’s It”! This is elementary **physics** in action!

**Physics 203: FULL TILT PHYSICS!** Find a different way of looking at “things”! Study **same-ness of scale** from hills to mountains! Know about **fractals?** Find **order in chaos!** What happens when there is a change in **energy?** Understand **forced resonance?**

#### REGISTER:

925-820-2415

[www.spectrumofscience.com](http://www.spectrumofscience.com)

[AmyBeth@spectrumofscience.com](mailto:AmyBeth@spectrumofscience.com)

	7/10 to 7/14	7/17 to 7/21
	Chemistry 101 -103 Gr. 4-6th	Physics 201-203 Gr. 4-6th
8:30 - 12:30	\$ 236	\$ 240
1:00 -5:00	\$ 236	\$ 240
8:30 - 5:00	\$512	\$ 520

**HAVE FUN & LET THE LEARNING CONTINUE!!**

*Additional sites available:* [www.spectrumofscience.com](http://www.spectrumofscience.com) 925-820-2415