

## Science Contest for Rising 7<sup>th</sup> Graders: Elements of Summer

### Task

Study the periodic table. ([www.ptable.com](http://www.ptable.com)) Think about summer. Choose a chemical element that you may use or experience in the summer. Make a poster to display your research findings about the element. Then write about how you experienced that element over summer break. See the example.

### Specifics

- Posters may be no larger than 8½ x 11 inches, in portrait orientation.
- Posters must follow the format shown.
- Information about the chemical element may include, but is not limited to physical and chemical properties, common compounds, uses, and special characteristics.
- Posters should be attractive and use color.
- On the back or bottom of the poster a list of websites or book titles used for information must be listed.
- On the back of the poster should be the student's name (no nicknames, please), school, grade-level to begin fall 2017 (should be 7<sup>th</sup> grade), a contact phone number (may be a parent's), a contact email address (may be a parent's).

### Submission

ALL posters are due by Thursday, June 29, 2017 at 4:00pm. Remember, schools are closed on Fridays. Posters may be dropped off at the front desk of ANY middle school in Rock Hill School District 3. Participants must be students of Rock Hill School District. Winners will be announced at the start of the 2017-18 school year.

14



Silicon

28.08

Silicon is the 14<sup>th</sup> element on the periodic table. Each atom of Silicon has 14 protons in its nucleus. It is a shiny grey color that looks like a metal, but it is considered to be a metalloid because it is brittle and does not conduct electricity very well. Silicon is commonly found in computer chips, glass, silicone gels, steel and brick. It is also a component of the compound sand, SiO<sub>2</sub>.

My favorite "element" of summer is the beach, Myrtle Beach, to be specific. The sand at the beach contains Silicon which is an element.

Source:

<http://www.rsc.org/periodic-table/element/14/silicon>