



Red Bank Charter School

# SUMMER INSTITUTE 2014

July 7 to August 8 (5 weeks)

8:30 am—12:30 pm

## K-4 Workshops

### Blast Off!

Students will be learning to blast off with different types of rockets and explore the wonderful world of physical science and elementary chemistry. Studies will include useful facts surrounding the law of action and reaction as well as the background information about the history of rocket ships.

This workshop will challenge students mentally and physically through a hands on, creative experience that gives them a first-hand look into the world of engineering.

Students will create a rocket, present their findings during the process, and make a presentation about building it. The class will follow the engineering philosophy:

- Think it
- Build it,
- Test it
- And do it again



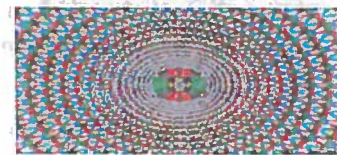
## Kids in the Kitchen

It's never too early to start developing culinary skills! Students will whip up age-appropriate, healthy recipes each day.

This workshop will teach a variety of helpful life skills in math and science, when measuring and baking, reading and writing recipes, as well as following directions in a practical environment where they see how actual results depend on their accuracy and ability to closely adhere to what a recipe says.

Cooking gives children a positive sense of accomplishment with tangible results. Children will also build responsibility and independence by following directions and cleaning up after themselves.

Each day culminates with the students setting the table and eating the delicious meal they prepared! By the end of the week students will have created a cookbook with recipes and nutritional information. Bon Appetit!!



## Now You See It, Now You Don't

Can you be sure if what you see is reality or is it just an illusion? After all, illusions are meant to trick you into perceiving something that is different from the reality of what it actually is. Come join this workshop to discover the fascinating world of optical illusions while testing the limits of visual perception. Then through interactive experiments, transform into a research scientist to provide accurate reports of what really "is". Are you prepared to rethink the way you see the world? Magicians do it all the time! Students will create or analyze an existing optical illusion and prepare a presentation explaining how the mind is tricked into seeing it.

## The Wonderful World of Birds

Come and enjoy the adventure of a lifetime, learning all about many different types of birds and their habitats. Students will learn about these birds through bird watching, different forms of literature and fun websites. We will be visiting Thompson Park and learning about a type of bird that migrates to the park every year and makes its home there. We will be using websites to compare and contrast different types of birds as well as trying to spot these birds when we go bird watching. Students will enjoy building bird houses and feeders. Each will pick one bird, research it and present habitat and environmental adaptations in the form of poetry and digital presentations.

## Run Like the Wind — Mechanical Horses

Students will learn about Leonardo da Vinci's Gran Cavallo, or Great Horse, its history and levels of production. They will use their drafting skills to sketch a horse on a drawing pad and will create their own clay sculptures of a horse. While exploring the principles of mechanics, including learning to observe mechanisms and how they function, students will produce their own version of a running horse with moving parts simulating "running like the wind", and will report what they have learned about the science behind the process.

## JUMP START TO KINDERGARTEN

### Incoming Kindergarten Students

This program will introduce the incoming Kindergarten students to the Charter School environment, the classroom, and a structured Kindergarten school day.

Let's explore the alphabet from A to Z

It is easy as 1, 2, 3





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8:30 am—12:30 pm

## 5-8 Workshops

### CHARACTERS AND COMICS

Comics have a history of telling a story about the world and the current issues that surround our a society. Students will be introduced to the history of comic strips, comic books, manga, anime and superheroes. Studies will consist of breaking down a general idea, analyzing components and synthesizing into a finished product. Students can create their own characters , write their own stories to go along with their art work, and create a comic strip!

### The Navesink River Experience

Students will navigate the Navesink in the same style canoe that the native Lenape Indians used while learning about their culture and heritage. They will discover the importance of the earth’s ecological balance as we perform water quality testing, study the flora and fauna and discuss ways to preserve this area for future generations. Daily, we will chart water quality, tides and temperatures changes and discuss reasons behind these findings. Students will also get daily exercise and develop teamwork skills and learn valuable maritime and survival skills. Students will create a portfolio to include summary reflections, hypothesis and conclusions, and the parallel between river use during time of Lenape and now.



### How Does Your Garden Grow?

“Mary, Mary, quite contrary, how does your garden grow?” Discover the life of flower and vegetable gardens with hands-on maintenance of living plants. Students will learn to take care of a garden while learning the benefits of plants for healthy eating habits. Students will engage with soil, insects, and other nutrients necessary to produce healthy food.



In addition to eating home-grown healthy foods, students will work at the RBCS Community Garden. Other activities will include working with the Red Bank Community sprucing up gardens and parks around town.

With the help of community partners, children will be active participants exploring county gardens and increasing their knowledge of this living world. Students will create a portfolio of plant growth and nutritional values of vegetation.

### REACT TO FILM

In this in depth analysis of today’s critical issues students will study social-issue documentaries and film to cultivate media literacy and inspire civic engagement. Students will be encouraged to find their own voices on matters of universal civic importance. The culmination of each week will be the creation of an action campaign using media resources so students learn how to use these skills actively as 21st century citizens.



Students will create a physical or digital collage depicting a marginal group in society and use their art to inspire social change.

### AWESOME ATHLETES

What does physics have to do with baseball pitching? How many different shapes can you find on a football field? What type of technology do we need to keep our athletes safe? Students will benefit from learning the physical, mathematical and scientific sides of being an “Awesome Athlete” here at RBCS.

This workshop gives students the opportunity to stimulate their minds while exercising their bodies. Students will be challenged to incorporate all the analyses that go into managing their own team using real players and games from professional sports. This workshop is an exciting way to introduce new sports, or continue involvement in a sport your child already enjoys. Instead of spending your summer playing video games, get active as an Awesome Athlete here at RBCS Summer Institute!

Students will create a team of five players and publish their scientific and mathematical findings through a physical or digital presentation.



# Red Bank Charter School

## 2014 SUMMER INSTITUTE REGISTRATION REDBANK CHARTER SCHOOL STUDENTS JULY 7 – AUGUST 8

Please Print:

Child's Last Name	Child's First Name	Grade Completed
1.		
2.		
3.		

### Summer Institute Program Only 8:30am – 12:30 pm

First child            \$200            \$ \_\_\_\_\_

Second Child        \$175            \$ \_\_\_\_\_

Third Child           \$150            \$ \_\_\_\_\_

Summer Institute fees for students receiving the following services during the school year

**School Lunch will not be provided during Summer Institute**

Reduced Lunch        \$100 per child \$ \_\_\_\_\_

Free Lunch            \$ 50 per child \$ \_\_\_\_\_

**Note: Must attend SI program above to attend the following:**

**Summer Camp**            **12:30 – 4:00pm**  
\$150 per child

**Morning Care**            **7:30am-8:30 am**  
\$75 per child                    \$ \_\_\_\_\_

**Extended Care**            **4:00pm-5:00pm (Monday through Thursday Only)**  
\$75 per child                    \$ \_\_\_\_\_

**TOTAL**                    \$ \_\_\_\_\_

**50% DEPOSIT DUE: May 30**                    \$ \_\_\_\_\_

**\*BALANCE DUE: June 30**                    \$ \_\_\_\_\_

\*Unless you have made payment arrangement with Mrs. Shirley in the school office.



# Summer Institute

Student Name \_\_\_\_\_ Grade \_\_\_\_\_ DOB \_\_\_\_\_

Parent Names(s) \_\_\_\_\_ Cell Phone# \_\_\_\_\_

\_\_\_\_\_ Cell Phone# \_\_\_\_\_

Address \_\_\_\_\_ Apt# \_\_\_\_\_

\_\_\_\_\_ Home Telephone# \_\_\_\_\_

Alternate Phone number# \_\_\_\_\_

### E-MAIL ADDRESS TO BE SHARED WITH RBCS COMMUNITY:

Email Address: \_\_\_\_\_

### EMERGENCY CONTACT

- Please specify who should be called 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup>
- Please indicate which phone (home, work, cell) should be called) 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup>

Name \_\_\_\_\_

Relation to Student \_\_\_\_\_

1. \_\_\_\_\_

\_\_ Home \_\_\_\_\_ \_\_ Work \_\_\_\_\_ \_\_ Cell \_\_\_\_\_

2. \_\_\_\_\_

\_\_ Home \_\_\_\_\_ \_\_ Work \_\_\_\_\_ \_\_ Cell \_\_\_\_\_

3. \_\_\_\_\_

\_\_ Home \_\_\_\_\_ \_\_ Work \_\_\_\_\_ \_\_ Cell \_\_\_\_\_

Please list siblings enrolled in the Red Bank Charter School and **grade** for 2014-2015

\_\_\_\_\_

If address or telephone numbers change over the course of the year,  
PLEASE call and notify the office in writing.

**WE MUST BE ABLE TO CONTACT YOU OR YOUR EMERGENCY CONTACT AT ALL TIMES**