Looking for a way to spend the summer?

Want to have fun and learn?

All students are invited to join the

Readington Township Schools
Summer Enrichment Program

August 3-21

Students Entering

Grades Four and Five

Now Registering!

Here is some general information to help you get started.

- Class sizes are limited. Courses must reach a minimum number of students in order to run, however, there is a maximum enrollment as well.
- Students should enroll in courses for the grade they will be entering in September.
- Each one-week course is held for two-hours a day (either 9-11 or 11:15-1:15) and costs $125.
- Courses will be offered: Week 1 August 3 – 7
  - Week 2 August 10 –14
  - Week 3 August 17 - 21
- If your child registers for a morning and mid-day session, he or she may bring a **nut-free** snack to eat between courses. Teachers will escort your child to the mid-day session.
- All courses will be taught by Readington Twsp. School teachers. Locations TBD.
- Parents/guardians are responsible for transportation to and from all courses for all students.
- Registration, child information, and payment in form of a check are due to your school office by Friday, May 1st. No cash please!
- An electronic confirmation of registration will be sent via email.
- You will be notified through email if a course you have chosen will not be running and depending on availability, you will be allowed to make a different choice or receive a refund.
- Specific information including class location, drop off/pick up specifics, etc. will be sent to you once the course schedule has been completed.
- There will be no refunds after June 19, 2009.

Questions?
Please contact Donna Ray
Summer Enrichment Coordinator
(908) 823 - 0454 Ext. 625
dray@readington.k12.nj.us

Course Descriptions
<u>August 3-7</u>
Fourth and Fifth

9:00-11:00

- Pop Art Shoes

  Students will be taking an old shoe and painting it based upon the pop/op art style. They will be using complimentary colors and acrylic paints.

- Crazy about Computers

  To give students exposure and practice in the most commonly used Microsoft applications (Word, Excel, and PowerPoint), learn and practice keyboarding skills, develop excellent research skills, and explore fun, educational websites. Each class session will be dedicated to enhancing essential computer skills in fun ways.

- Daring Debaters

  Are you interested in current events? Do you like sharing your opinions about hot topics? Here is your chance! This class will have students debating age appropriate news events from around the world. They will research their topics, form their opinions, plan out their presentations, and will be shown how to debate with others from the class. Students will have fun discussing a wide range of topics and will have the opportunity to critique their own performances along the way.

- Robotics

  Students will learn the basics of robotics through designing, building and programming a functional "robot" using Lego Mindstorm. They will behave like scientists, carrying out simple investigations using a hands-on problem solving methodology in order to program their robots to perform simple and complex tasks. Sorry, students do not keep the robots.

- World Games

  Students will be able to participate in games played around the world. Each day a new country will be introduced. Students will practice and demonstrate the skills of the games from that country. In addition, students will be able to discuss the cultural importance of the game. The games are cooperative in nature and focus on communication and teamwork as keys to success.
  Example Games:
  Ooch Neech- Pakistan
  Bokwele- Saire: Similar to Capture the Flag
  Jai Alai- Spain and South America: Similar to Wall Ball
  Cricket- England
  And many more!

- Fun with Fables (students entering grade 4 only)

  Students will be able read, analyze, and explore famous fables. On the last day, the students will perform a fable play for an audience of family and friends.

11:15-1:15

- Scientific Chefs: Science Experiments You Can Eat

  Our scientific chefs will analyze solutions (syrup, rock candy), carbohydrates and fats (tapioca, cookies, grape jelly, ice cream), proteins (meringues, gelatin), and chemical reactions (lemon fizz, sugar decomposition, fruit salad oxidation). We will answer questions like… Why does popcorn pop? Why do onions make people cry? How do sauces and puddings thicken? Why does a cut apple turn brown? In

addition, we will be performing 1-2 food experiments each day and enjoying related recipes. Students will emerge with a delicious assortment of recipes they can share, prepare, and scientifically explain.

- **Expression Faces**
  Students will be creating faces using model magic. The faces will show a specific emotion or expression. The final face will be painted with tempera paints.

- **Krafty Kids**
  Students can enhance their dexterity, spatial perceptions and appreciation for crafts through simple projects like: quilted photo album - a decoupage box.

- **Creating Photobooks, Calendars and Collages on Snapfish**
  Students will learn how to edit and manipulate photos using the online program "Snapfish." Participants will be shown how to import photos, basic editing techniques, how to add captions and will be given the opportunity to use their photos to create a personalized project. Utilizing their new skills, students' creations may include a photo book, flip book, a calendar, a collage, or even stationary.
   *Parents who wish to order finalized projects will need to pay an additional cost at the end of the course.

- **Building the Bridge to 4ᵗʰ Grade Math (students entering grade 4 only)**
  This course will introduce students to the 4th grade math program through hands on activities. They will learn new math games and strategies that introduce and reinforce necessary skills to help ease their transition into 4th grade.

- **Theater Games**
  Students will play Improvisational Comedy games while working on developing theater skills of projection, collaboration, imagination and articulation. Students will also participate in conversations about what makes something funny.

- **A Week in the Woods**
  Come and spend a "Week in the Woods" during your summer vacation. Students will be exploring the adventurous novel by Andrew Clements in literature circle discussions while making valued connections to his writing through hands on activities. The benefits of attending this course would be to reinforce reading strategies and skills, build upon character development and comparisons, and allow students to make real world connections through a literature study.

<u>August 10 -14</u>

Fourth and Fifth Grade

9:00-11:00

- **Robotics**
  Students will learn the basics of robotics through designing, building and programming a functional "robot" using Lego Mindstorm. They will behave like scientists, carrying out simple investigations using a hands-on problem solving methodology in order to program their robots to perform simple and complex tasks. Sorry, students do not keep the robots.

- **Web Quests and Virtual Field Trips**
  To enable students to become "Internet Explorers" with web scavenger hunts and virtual field trips. Students will visit various sites to "collect" certain items and find answers to questions. In web quests and virtual field trips, students visit websites, read information, answer specific questions, and then use their knowledge in new and interesting ways. Web hunts/quests and virtual field trips help students advance

technology skills, apply classroom concepts in fun and interesting ways, manage and organize information, and practice research skills.

- **Picture Books, Art and Writing**
  Through Picture books, Art and Writing students will become familiar with picture storybooks that contain illustrations using different art mediums. We will read picture books discuss the story elements and how the illustrations accompany the story. Then, students will create writing of their own. The students will experiment with the mediums to create illustrations that accompany their creative writing

- **Curtain Call**
  This course gives students a behind the scenes look at putting together a play! Students will refine their writing, speaking, and artistic skills as they work together to write a script, use their creative skills to design murals/back drops, pull together props, practice, and perform their play. Students will have a blast using their imaginations to become new characters and may even discover some hidden talents along the way!

- **Introduction to the Guitar and Musicianship Training and Exploration with the Mac**
  Students will have the opportunity to explore the instrumental art form of guitar playing and the fundamental theory practices of musicianship training that will enhance their musical knowledge and curiosity. Students who own a folk or acoustic guitar will be encouraged to bring them to each class. Guitars will be provided for classroom use only.

- **Comic Creations**
  During this class students will study the process of making a comic strip. Students will write and create their on comic strip using the Mac program Comic Life.

- **Aliens!**
  Students will learn about how science fiction authors have portrayed alien life over the years, study how scientists have looked for outrageous forms of life on Earth to imagine what life would be like in space, explore space missions that have been set out to search for life in space and imagine what contact with extra-terrestrials might entail.

11:15-1:15
- **Chemistry for Kids**
  Our student chemists will create a lava lamp without heat and explore color reactions with food coloring, cooking oil, glue, and dishwashing detergent. Students will also create their own glue, develop "plastic milk," polish pennies with lemon juice, observe the amazing abilities of yeast, blow up a balloon with carbon dioxide, and create slime. This course will enable students to observe chemical reactions in fun ways.

- **Intro to Computer Programming: Logo & Scratch**
  Students will learn computer programming through two very exciting and successful applications. Logo programming allows students to learn a language that enables a turtle to perform specific functions. Although Logo is not limited to any particular subject, it is most useful for exploring mathematics. Scratch is a programming language that makes it easy to create interactive animations and games. Students will learn to think creatively and reason systematically while gaining important mathematical and computational ideas
  Both Logo and Scratch were designed to help students develop 21st century learning skills while teaching them to explore and think on a level they have probably not yet encountered.

- Technology – Fun with Digital Cameras and Computers*
  Computers and cameras go hand in hand in this exciting course. Students will learn how they can express their creative talents with digital cameras and computers. Throughout this course, students will be shown how to respect the equipment, use camera effects, edit pictures, and how to publish in different mediums (slideshows, puppets, etc.). On the last day, students will have the chance to share their finished projects with the class.

  *Students must bring their own digital cameras to each class.

- Mad About Math (students entering grade 5 only)
  Give your mind a mathematical workout! You will be improving your math skills through numerous activities, projects, games, puzzles, and riddles. We will build on information you have learned this year and introduce topics you will study next year.

- Cool Cooks
  This class will be culturally based with a story to accompany each food. **Example** - Mexican chocolates with an explanation of their tradition and a story, small craft, or music to accompany.

- Poetry (students entering grade 5 only)
  Students will read, write, recite and celebrate poetry. Over the course of the week, students will try out different forms of poetry and put together a keepsake book of the poems they have written. In particular, students will focus on developing effective imagery about nature and emotions.

- A Week in the Woods
  Come and spend a "Week in the Woods" during your summer vacation. Students will be exploring the adventurous novel by Andrew Clements in literature circle discussions while making valued connections to his writing through hands on activities. The benefits of attending this course would be to reinforce reading strategies and skills, build upon character development and comparisons, and allow students to make real world connections through a literature study.

August 17 - 21
Fourth and Fifth Grade

9:00 – 11:00

- Bridge Building
  How much weight can a bridge made from toothpicks and glue hold? To find out, you'll need to build your own!   In this course, students will learn about bridges and test out their architectural skills by building a bridge. They will examine different types of bridges and the relationship between triangles in bridges, before beginning their designs. Following specific guidelines, students will have to draw out a plan to be approved by the instructor. Then, construction begins using toothpicks and glue. The course culminates with an exciting "Bridge Breaking Contest" as students test their bridges to discover how much weight they can hold!

- Lights, Digital Cameras and Action with Movie Maker
  To educate students on using digital cameras and using their digital images to create a movie with Movie Maker. Students will learn how to shoot pictures, edit and download photos, add music, insert transitions, add title pages, and burn their creation to a DVD. *Students must provide their own digital camera and USB cable. If students have a CD with a particular song they would like to use in their movie, they should bring that as well.

- Building a House with Google Sketch Up
  During this class students will study architecture and the use of computer programs targeted for building houses. Students will create and virtually build their on house using Google Sketch Up.

- Kids Can Scrapbook Too!
  Children will be able to preserve their memories by creating their very own scrapbook! Students will use measurement skills to determine the size and number of pictures for each page. We will use various art techniques to design and embellish scrapbooks. We will even write reflective journal entries to remember each event vividly.

- World Histories and Mysteries
  Students will develop their vocabulary skills while learning about Greek and Latin roots. They will play word games, create new words, and explore how languages are ever-changing and interconnected. This course will help students in writing and reading as well.

- Math Mania!!!
  Students will be exposed to a variety of games, books, activities (including creating and flying geometric airplanes!), and mind-puzzlers that provide a fun, interactive, and hands-on experience with math. Who knew math could be so fun?!?!!

11:15-1:15
- Various Styles of Creative Writing
  Students will be exposed to variety of creative writing styles, focusing on a different style of creative writing each day. Styles will include fairy tales, cartoons, poetry, picture books and journalism.

- Creating Animations with Pivot and Movie Maker (students entering grade 5 only)
  In this course, Creating Animations with Pivot and Moviemaker, the students will create storyline and plot. Create an animation in Pivot and then set it to music and their voice to create a story. Students will work with Pivot Animator, Windows Moviemaker and Garage band to create their stories.

- Explore New Zealand and Australia
  During this class students will research the indigenous people of New Zealand and Australia, discover their cultures, and investigating environmental issues. Students will also learn how to throw a boomerang.

- Summer Strings (students entering grade 5 only)
  String students will work on string playing fundamentals and reading skills. Students will also explore various styles of string playing, including classical, jazz, pop, etc., and learn basic music theory and composition.

- Kids No Bake Cooking Club (students entering grade 4 only)
  Students will be able to measure ingredients to make a variety of foods and learn to be a good host/hostess. Students will be introduced to cooking materials, measurement and nutrition. Students will create everything from appetizers to sweet treats!

- Spanish with the Aztecs, Incas and Mayas
  Students will practice introductory Spanish skills (colors, numbers, months) while exploring and recreating some of the great achievements of the pre-columbian cultures. They will assemble a miniature pyramid, create their own Aztec calendar, and marvel at the Incan architecture. They will use English and beginning Spanish to play games from these cultures, as well.

- Science Art (students entering grade 4 only)
  Students are invited to discover the links between science and art. Each day will we create artwork based on scientific principles. Students will learn about scientific concepts and apply their learning to a craft project. Some of the projects could be: using gravity with paint, making a working firefly with a simple circuit, learning about air and wind and creating an "air powered pop-up", studying how adhesives can strengthen sand structures, and exploring chemical changes and making disappearing ink.

- Chemistry for Kids
  Our student chemists will create a lava lamp without heat and explore color reactions with food coloring, cooking oil, glue, and dishwashing detergent. Students will also create their own glue, develop "plastic milk," polish pennies with lemon juice, observe the amazing abilities of yeast, blow up a balloon with carbon dioxide, and create slime. This course will enable students to observe chemical reactions in fun ways.

Registration Form – Grades 4 and 5

Please print all information.

Student Name: (First) _____ (Last) _____

Current School: _____

Current Teacher: _____Grade Entering In September:_____

Place a checkmark in front of each course your child will be attending.

Check Here	Course Name	Date	Time
	Pop Art Shoes	Aug.3-7	9-11
	Crazy About Computers	Aug.3-7	9-11
	Daring Debaters	Aug 3-7	9-11
	Robotics	Aug.3-7	9-11
	World Games	Aug.3-7	9-11
	Fun with Fables	Aug.3-7	9-11
	Scientific Chefs	Aug.3-7	11:15-1:15
	Expression Faces	Aug.3-7	11:15-1:15
	Krafty Kids	Aug.3-7	11:15-1:15
	Creating Photobooks, Calendars & Collages	Aug.3-7	11:15-1:15
	Building the Bridge to 4th Grade Math	Aug.3-7	11:15-1:15
	Theater Games	Aug.3-7	11:15-1:15
	A Week in the Woods	Aug.3-7	11:15-1:15
	Robotics	Aug.10-14	9-11
	Web Quests & Virtual Field Trips	Aug.10-14	9-11
	Picture Books, Art and Writing	Aug.10-14	9-11
	Curtain Call	Aug.10-14	9-11
	Introduction to Guitar & Musicianship Training	Aug.10-14	9-11
	Comic Creations	Aug.10-14	9-11
	Aliens!	Aug.10-14	9-11
	Chemistry for Kids	Aug.10-14	11:15-1:15
	Intro to Computer Programming: Logo & Scratch	Aug.10-14	11:15-1:15
	Technology–Fun w/ Digital Cameras & Computers	Aug.10-14	11:15-1:15
	Mad About Math	Aug.10-14	11:15-1:15
	Cool Cooks	Aug.10-14	11:15-1:15
	Poetry	Aug.10-14	11:15-1:15

	A Week in the Woods	Aug.10-14	11:15-1:15
	Bridge Building	Aug.17-21	9-11
	Lights, Digital Cameras & Action w/ Movie Maker	Aug.17-21	9-11
	Building a House with Google Sketch Up	Aug.17-21	9-11
	Kids Can Scrapbook Too	Aug.17-21	9-11
	World Histories and Mysteries	Aug.17-21	9-11
	Math Mania	Aug.17-21	9-11
	Various Styles of Creative Writing	Aug.17-21	11:15-1:15
	Creating Animations with Pivot & Movie Maker	Aug.17-21	11:15–1:15
	Explore New Zealand & Australia	Aug.17-21	11:15–1:15
	Summer Strings	Aug.17-21	11:15-1:15
	Kids No-Bake Cooking Club	Aug.17-21	11:15-1:15
	Spanish with the Aztecs, Incas & Mayas	Aug.17-21	11:15-1:15
	Science Art	Aug.17-21	11:15-1:15
	Chemistry for Kids	Aug.17-21	11:15-1:15

# of courses_____ x $125 each = _____

Make check payable to

Readington Township Board of Education

Registration and Payment are due by May 1, 2009.

Child Information and Emergency Care Permission Form
Please print all information and return with registration and payment.

Student Name: (First) _____ (Last) _____

Age: _____

Parent/Guardian Name: _____

Daytime Phone # 1) _____

2) _____

Email Address: _____

Emergency Contact Name:_____

Emergency Contact Phone # _____

Special Medical Considerations
(you will be contacted directly before information is shared with course facilitators):

_____
(please include allergies)

Release Authorization: If an emergency illness or injury occurs when I cannot be contacted, I (parent/guardian) hereby authorize the Readington Township Summer Enrichment faculty to obtain medical treatment for my child which may include sending him/her to a nurse, physician or hospital and authorize necessary treatment.

Photo Consent:

_____ I **consent** to have my child's photo, name, and/or achievements published in school newspapers, and/or newsletters, released to local newspapers, and/or posted on the school's web page.

_____ I **do not consent** to have my child's photo, name, and/or achievements published in school newspapers, and/or newsletters, released to local newspapers, and/or posted on the school's web page.

Computer Use Agreement:

_____ My child and I are aware of the Readington Township Schools Acceptable Computer Use Procedures for K-8 and will abide by all rules therein.

_____ My child and I are not familiar with the Readington Township Schools Acceptable Computer Use Procedures.

Parent/Guardian Signature: _____**Date:**_____