

Cool Blue is a non-credit subsidiary of R2 Virtual High School. These are courses that are suitable for middle school students and available to expand options for student learning. The courses are designed specifically for online delivery, allowing learning to take place any time and anywhere.

The first **Pre-Algebra** course (**1A**) allows students to learn fundamental mathematics concepts using an interactive, problem-based approach. They apply fractions, decimals, and percentages in practical situations; learn to handle data through graphs; develop an understanding of probability; become familiar with scientific notation; and learn to use ratios and proportions to solve problems. In the second **Pre-Algebra** course (**1B**) students learn about general mathematics concepts. Students engage with statistics, graphs, basic geometric concepts, set theory, networking, simple equations, and the coordinate plane.



In **Math Skills Review** students reconsider basic mathematics concepts. They refresh their knowledge of problem-solving strategies and the application of basic mathematical concepts in real-world situations.

Students in **Reading Comprehension** read from a wide variety of materials to improve their literacy skills. They develop a personal plan for increasing word knowledge and for gaining and using effective reading strategies to improve comprehension and learning.

Although, there is a RSD2 teacher assigned to each course, Cool Blue is designed as a study aide/knowledge enhancement tool. It is an independent study for students and their parents/guardians to use throughout the summer. All work will be graded by the computer. The teacher may be contacted by e-mail for questions concerning the content of the course.

To receive the \$25.00 refund the student must score a passing grade (70% or better) on all course quizzes, evaluations, or tests. See the back of this brochure for the number of assessments in each course. The student may retake each assessment as many times as he/she wishes before the end of the program. The program will begin on June 16, 2007 and end on July 25, 2008.

Enjoy the program and get a head start on next year!

### Technology Requirements:

Cool Blue courses utilize several common plug-ins that help create a rich, multimedia learning environment. Check your browser at: <http://support.class.com/>.

You may also download the most recent version of each plug-in. It may be necessary to uninstall a previous version of a plug-in.

RSD2 cannot be responsible for home technology issues. A refund will be given if (within 2 weeks of enrollment) you cannot access the programs. Notify the district within the 2 weeks to receive the refund.

<b>Operating System</b>	Windows Windows 98E or higher; Macintosh OS 9.0 or higher; Macintosh OS X
<b>Browser</b>	Internet Explorer 5.5 or higher (PC); Internet Explorer 5.x or higher (Mac OS9) Apple Safari (Mac OS X)
<b>Plug-ins</b>	Shockwave/Flash 7.0 or higher; Quicktime 4.0 or higher
<b>Connectivity</b>	Direct Internet connection; 56 Kbps modem
<b>Memory</b>	64 MB RAM
<b>Display</b>	1024 x 768 recommended resolution 800 x 600 required
<b>Peripherals</b>	Keyboard, Mouse, Sound card, and speakers

## REGISTRATION

To register for Cool Blue you must send an e-mail to Margaret Walden at [virtualhs@richland2.org](mailto:virtualhs@richland2.org). Your e-mail must include the following:

- Student Name
- Parent/Guardian Name
- Present School
- Grade (Fall 2008)
- School ID (last 8 digits)
- Date of Birth (mm/dd/yy)
- Computer session(s) in which you wish to participate:
  - A) Pre-Algebra 1A
  - B) Pre-Algebra 1B
  - C) Math Skills Review
  - D) Reading Comprehension
- Student e-mail address (for use in Cool Blue)

You will receive a return e-mail stating you are enrolled in the program and complete instructions for accessing the computer session. After receiving the e-mail stating you have been enrolled in Cool Blue, pay your school bookkeeper \$25.00 for each session in which you are enrolled.

Margaret B. Walden  
Instructional Programs Coordinator

(803) 738-3261  
[mwalden@richland2.org](mailto:mwalden@richland2.org)

# What is Cool Blue?

June 16 to July 25, 2008

Cool Blue is a summer online program for middle school students (7th & 8th grades 2008-09 school year) focusing on Pre-Algebra, Math Skills Review, and Reading Comprehension. This program is not for credit and you must have access to a computer and internet capability. Parents and students will have e-mail access to a teacher for questions. For each computer course, there is a \$25.00 charge. If the student completes all assessments for a passing grade in



each computer session in which he/she is registered, he/she will receive a \$25.00 refund for each course.

## Pre-Algebra 1A—Course Contents:

- Place value of whole numbers and decimals
- Addition, subtraction, multiplication, and division
- Rounding and estimation
- Exponents
- Order of operations
- Greatest common factors and least common multiples
- Decimals
- Fractions
- Probability
- Adding, subtracting, multiplying, and dividing fractions
- Complex fractions
- Ratios and proportions
- Percents
- Pictographs and circle bar, and line graphs
- Statistic notation
- Statistics
- Counting problems

**5 Evaluations**—At the conclusion of each unit, students will need to complete an online evaluation. They will be given multiple opportunities to take the evaluation and submit it for automatic computer grading. To complete the evaluation, students will need to answer 25 to 40 objective questions over the material they just covered. Students will receive instant feedback regarding their grade on each evaluation.

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## Pre-Algebra 1B—Course Contents:

- Measurements of central tendency
- Operations with integers
- Rational and irrational numbers
- Bar and circle graphs
- Geometric concepts
- Linear measurement
- Symmetry and transformations
- Area and volume
- Functions and linear equations
- Set theory
- Networking and circuits

**9 Quizzes**—At the end of each of the nine lessons in the course, students must complete a computer-graded quiz. They will be given multiple opportunities to take the evaluation and submit it for automatic computer grading. Students will receive instant feedback regarding their grade on each evaluation.

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## Math Skills Review—Course Contents:

- Reading rulers and protractors
- Basic units of measurement
- Scale drawings
- Area and volume
- Decimals; addition, subtraction, multiplication, and division
- Exponents and scientific notation
- Fractions: addition, subtraction, multiplication, and division
- Creating and interpreting line, circle, and bar graphs
- Integers: addition, subtraction, multiplication, and division
- Percents

**6 Post Tests**—At the end of each unit, students must take a computer-grade post test. If the student earns less than 70 percent on the post test, the student may access the post test again. Students will receive instant feedback regarding their grade on each posttest.

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## Reading Comprehension—Course Contents:

- Previewing strategies
- Reading from diverse genres
- Vocabulary acquisition and retention strategies
- Successful reading strategies
- Successful writing strategies
- Reading and writing self-assessment
- Study skills acquisition and retention
- Reviewing compositions
- World Wide Web searches

**15 Quizzes**—At the conclusion of each section, students will need to complete an online quiz. Each quiz is submitted for instant, automatic computer grading. If the student earns less than 70 percent the student may access the test again.

# R2 Cool Blue



June 16—July 25 2008