

Quantum Connections

\$25
DISCOUNT PER
COURSE IF
REGISTRATION
RECEIVED BY
3/31/10

The **SCCLC Summer Gifted Program** is an opportunity for exceptional students to socially and intellectually connect with other gifted individuals through inquiry based curricula emphasizing critical thinking skills, hands on projects, in depth exploration and creative problem solving.

Summer 2010

July 19-30 & Aug 2-13

Who?

For those 4th-8th grade gifted students who are looking to expand their intellect, make new friends and spend two weeks exploring exciting topics of interest. Each course will have a maximum of 15 students.

What?

Two weeks of extensive study on stimulating topics; delving deeply into the world of spices, designing and building what you never thought you could, exploring the words of a historic author, and diving into the world of neurons and neurotransmitters.

Where?

The San Carlos Charter Learning Center (SCCLC) the first charter in the state of California, in operation for 16 years. Located in the heart of the Peninsula on the border of San Carlos and Belmont.

When?

Two 2-week Sessions will be held **July 19-30 & Aug 2-13**. Classes will be from 9:00 AM-12:15 PM, & 12:45-4:00PM, M-F.



Why?

The SCCLC has a long history of expanding curriculum, broadening horizons and meeting the social and academic needs of its students. This summer we look forward to challenging students to strengthen their minds and continually question as they learn.

Program Requirements for Admission

Each student may provide a letter from their current school qualifying them for the GATE program. If GATE status has not been determined, then copies of school issued standardized tests from the previous two years, demonstrating they are in the 95th percentile can be provided. We will also consider other standardized tests, including, but not limited to, the ERB, Stanford Binet, and WISCC. We also require that either an administrator or current teacher fill out and return the recommendation form found on our website.

Early Bird & Late Bird Care

Each session, before and after program care will be provided by Educare Staff in Room 7. Early Bird care is provided from 7:30-9:00 AM. Late Bird care is 4:00-6:00 PM.

Course Offerings

Grades 4 through 6

Session A, July 19-30

Can We Build It? with Inga Davis

AM SESSION, 9:00AM - 12:15PM

It starts out as a simple task; build the bridge that can support the most weight between two classroom tables using only paper. But it gets bigger and better from there! Working in teams we will define some problems (for example, what is the best way to launch a potato 100 feet) and then come up with the most creative, efficient (or inefficient, Rube Goldberg style) design with simple materials. We will look at design process, testing ideas, refining our ideas. On our final day we will present our creations at a creative engineering fair!

Math Counts with Cynthia Pellegrini

AM SESSION, 9:00AM - 12:15PM

Do you like math, but get bored by doing sets of problems out of a math text book? Math should be FUN! This session is for the mathematically motivated student who enjoys being challenged. The MATHCOUNTS model inspires excellence and curiosity in middle school students through fun and challenging mathematics. We will work together to explore interesting and complex math problems appropriate to each ability level. There may be many ways to attack the situation, and many possible outcomes...let's explore them all. Extend your knowledge and skills in math, with a smile on your face.

Course Offerings

Grades 4 through 6

Session B, August 2-13

Destination Treasure Island! with Emma Moore

AM SESSION, 9:00AM - 12:15PM

Arrrgh, Matey! Sail the high seas with Robert Louis Stevenson, Long John Silver, and Emma Moore. Our destination? *Treasure Island!* Published in 1833, Stevenson's swashbuckling tale set the stage for action and adventure in children's literature and established the pirate as an iconic character. A close reading of the book and guided discussions will bring us face to face with the sordid crew, the charming Long John Silver, and the infamous treasure map--X marks the spot! Primary sources reveal the inspiration behind Stevenson's suspenseful novel, which in turn inspired a long history of adaptations and cultural references. Spend the last few days of our trip touring a few of the multimedia adaptations. Your trip aboard the Hispaniola promises to be an eventful one.

Math Counts with Cynthia Pellegrini

PM SESSION, 12:45PM - 4:00PM

Do you like math, but get bored by doing sets of problems out of a math text book? Math should be FUN! This session is for the mathematically motivated student who enjoys being challenged. The MATHCOUNTS model inspires excellence and curiosity in middle school students through fun and challenging mathematics. We will work together to explore interesting and complex math problems appropriate to each ability level. There may be many ways to attack the situation, and many possible outcomes...let's explore them all. Extend your knowledge and skills in math, with a smile on your face.

Grades 7 and 8

Session A, July 19-30

Math Counts with Cynthia Pellegrini

AM SESSION, 9:00AM - 12:15PM

Do you like math, but get bored by doing sets of problems out of a math text book? Math should be FUN! This session is for the mathematically motivated student who enjoys being challenged. The MATHCOUNTS model inspires excellence and curiosity in middle school students through fun and challenging mathematics. We will work together to explore interesting and complex math problems appropriate to each ability level. There may be many ways to attack the situation, and many possible outcomes...let's explore them all. Extend your knowledge and skills in math, with a smile on your face.

Inside My Head with Jennifer Leydecker

AM SESSION, 9:00AM - 12:15PM

Have you ever wondered what is really going on inside your brain? We will begin our exploration of the brain with the simple connections between neurons and expand our learning to the central nervous system. Trace the path of a memory, follow the chemical reaction of emotions within the brain and dive into the cortex as we look at critical thinking and reasoning. We will spend two weeks looking at the amazing things our brains do inside our heads.

Your Electrical Future with Inga Davis

PM SESSION, 12:45PM - 4:00PM

In this session we will explore what electricity is, how it flows, how we use and harness it and its future in our lives. We will build electric generators using a variety of resources and learn how they work. Students will be asked to expand their ideas of how electricity is created and brainstorm new "green" forms of electricity production.

Grades 7 and 8

Session B, August 2-13

Math Counts with Cynthia Pellegrini

AM SESSION, 9:00AM - 12:15PM

Do you like math, but get bored by doing sets of problems out of a math text book? Math should be FUN! This session is for the mathematically motivated student who enjoys being challenged. The MATHCOUNTS model inspires excellence and curiosity in middle school students through fun and challenging mathematics. We will work together to explore interesting and complex math problems appropriate to each ability level. There may be many ways to attack the situation, and many possible outcomes...let's explore them all. Extend your knowledge and skills in math, with a smile on your face.

The Bulls and Bears Have Collided: The Stock Market Crisis of 2008, with Chris Mahoney

AM SESSION

This course will focus on learning how the stock market works, building a portfolio of stocks, and developing a detailed understanding of what happened during the economic crash of 2008. Using real examples ripped from the headlines, we will go in depth and learn how the world financial markets ground to a halt and jeopardized the economy of not only the United States, but also the rest of the world

2010: A Spice Odyssey with Stacy Emory

AM SESSION, 9:00AM - 12:15PM

Did you know that black pepper used to be worth its weight in gold? That nutmeg sparked a war that gained Long Island for England? That archeologists discovered 4,000-year-old cloves in the Syrian desert? Spices are so much more than a way to season your food! It might seem a mystery to us today that the quest for spices built fortunes, empires, and even fueled the discovery of the new world. Why do spices hold such a powerful attraction? Participate in hands-on activities where we will investigate the biology, chemistry, history, politics, and culinary uses of spices to try and understand more about their appeal.

Fahrenheit 451 with Emma Moore

PM SESSION, 12:45PM - 4:00PM

Follow former fireman Guy Montag's escape and fight to survive a lawless America set in the future. Author Ray Bradbury's firemen set books aflame, extinguishing individual ideas and free thought in his dystopian novel, *Fahrenheit 451*. An allegiance to mass media and television entertainment threatens to wipe out literature and conceal an impending nuclear war. Read and discuss the novel's characters, plot, and themes. Supporting materials include interviews with the author and a graphic novel authorized by Bradbury.

\$25
DISCOUNT PER
COURSE IF
REGISTRATION
RECEIVED BY
3/31/10

Registration Information

4TH-6TH GRADE COURSES

SESSION A - JULY 19-30

- CAN WE BUILD IT? (9:00 AM- 12:15 PM) \$375.00
- MATH COUNTS (12:45-4:00 PM) \$375.00
- EARLY BIRD EXTENDED CARE (7:30-9:00 AM) \$75.00
- LATE BIRD EXTENDED CARE (4:00-6:00 PM) \$100.00

SESSION B - AUGUST 2-13

- TREASURE ISLAND (9:00 AM- 12:15 PM) \$375.00
- MATH COUNTS (12:45-4:00 PM) \$375.00
- EARLY BIRD EXTENDED CARE (7:30-9:00 AM) \$75.00
- LATE BIRD EXTENDED CARE (4:00-6:00 PM) \$100.00

7TH-8TH GRADE COURSES

SESSION A - JULY 19-30

- INSIDE MY HEAD (9:00 AM- 12:15 PM) \$375.00
- MATH COUNTS (9:00 AM- 12:15 PM) \$375.00
- YOUR ELECTRICAL FUTURE (12:45-4:00 PM) \$375.00
- EARLY BIRD EXTENDED CARE (7:30-9:00 AM) \$75.00
- LATE BIRD EXTENDED CARE (4:00-6:00 PM) \$100.00

SESSION B - AUGUST 2-13

- BULLS AND THE BEARS (9:00 AM- 12:15 PM) \$375.00
- 2010: A SPICE ODYSSEY (9:00 AM- 12:15 PM) \$375.00
- MATH COUNTS (12:45-4:00 PM) \$375.00
- FAHRENHEIT 451 (12:45-4:00 PM) \$375.00
- EARLY BIRD EXTENDED CARE (7:30-9:00 AM) \$75.00
- LATE BIRD EXTENDED CARE (4:00-6:00 PM) \$100.00

PROGRAM FEES INCLUDE ALL MATERIALS AND EVENT COSTS. MID-MORNING AND AFTERNOON SNACKS WILL BE PROVIDED BY THE PROGRAM. SUPERVISION WILL BE PROVIDED DURING THE 12:15-12:45 PM LUNCH BREAK.

STUDENT INFORMATION

STUDENT'S NAME: _____ GRADE: _____

HOME ADDRESS: _____ PHONE: _____

LEGAL GUARDIAN 1: _____ CONTACT PHONE: _____

EMAIL ADDRESS: _____

LEGAL GUARDIAN 2: _____ CONTACT PHONE: _____

EMAIL ADDRESS: _____

CURRENT SCHOOL: _____

DOCUMENTATION PROVIDED: 1) GIFTED AND TALENTED STATUS OR STANDARDIZED TEST RESULTS
AND 2) LETTERS OF RECOMMENDATION

TOTAL DUE: _____ \$150 NON-REFUNDABLE DEPOSIT PAID: CHECK# _____
PLEASE MAKE CHECKS PAYABLE TO EDUCARE.

PLEASE MAIL COMPLETED REGISTRATIONS TO:
EDUCARE @ SCCLC, 750 DARTMOUTH AVE, SAN CARLOS, CA 94070

ANY QUESTIONS, PLEASE CONTACT JENNIFER LEYDECKER AT (650) 508-7348 OR JLEYDECKER@SCCLC.NET

Program Information

Quantum Connections looks to expand summer learning and allow students to deeply explore various subject areas using a project based approach. Within each session, students will be challenged to broaden their thinking, explore their curiosities and build new connections, not only within their mind, but also with new friends.

Course Instructors

Inga Davis has taught math and science and worked at SCCLC for the last fifteen years. She earned her Masters in Economics from University of Pennsylvania and a BA from UC Berkeley. As the seventh and eighth grade math and science teacher at Charter Learning Center, Inga enjoys teaching both Conceptual Physics and Algebra.

Stacy Emory is Director of Curriculum at the SCCLC and is a founding educator of the school. She has worked more than 15 years as a consultant and in the areas of project-based learning, science curriculum design and implementation, multi-age mathematics instruction, and constructivist theory-based teaching. Before entering the education field she worked as both a botanist and wetlands biologist. She has a B.S., Biology (emphasis in botany), M.A., Systematic Botany, and a California Single Subject Teaching Credential (Science).

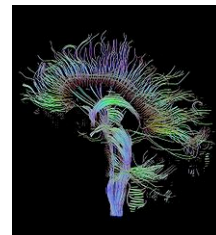
Jennifer Leydecker has worked at the SCCLC for the past nine years as the Educare Director. She graduated from Notre Dame de Namur University with a BS in Biology, Biochemistry and Psychology. She is currently pursuing her MS in Clinical Psychology at NDNU and has a longstanding interest in the area of neuropsychology and the brain-body connection.

Chris Mahoney has taught math at both the middle and high school levels for the last twenty years. Chris is working towards his MBA from Villanova University with an emphasis in finance. He also has an M.Ed.

from the University of Massachusetts and a BA from Boston University. Chris is also the Director of SCCLC.

Emma Moore is a literacy teacher for the San Carlos School District as well as the Librarian for the SCCLC. Emma brings many wonderful talents and skills to her literacy and Humanities program. She is currently working towards her Masters in Library Information Technology. Emma Moore is a graduate of the University of Oregon School of Journalism and Honors College.

Cynthia Pellegrini has taught at SCCLC for the last several years. Cynthia has many years of experience teaching students at the elementary and middle school level. Cynthia's first passion is Mathematics.



Quantum Connections; Educare Summer Gifted Program

San Carlos Charter Learning Center

750 Dartmouth Ave.

San Carlos, CA 94070

HURRY!
\$25 DISCOUNT IF
REGISTRATION
RECEIVED BY
3/31/10