

RACL 2012–Fall Activity Classes
秋季课外活动班

课程 Classes	教师 Teachers	上课时间 Class Hour	教室 Classroom	学费 Tuition
美术班 1 (Drawing1, 5 yrs)	Jennifer Li	11:30 am - 12:20 pm	E151	\$70
美术班 2 (Drawing2, 6 yrs)	Christina Brown		E153	
美术班 3 (Drawing3, 7 yrs)	庞建游		S102	
美术班 4-A (Drawing4-A, 8 yrs)	何婷		E351	
美术班 4-B (Drawing4-B, 8 yrs)	杨春晖		E349	
美术班 5-Chinese Painting (>9 yrs)	钱芃		E345	
国际象棋 1 (Chess Beginners, 5-7 yrs)	Arthur Lewis	11:30 am - 12:20 pm	E364	\$70
国际象棋 2 (Chess Intermediate, 5-7 yrs)	David Hurlbert		E362	
国际象棋 3 (Chess Advance, 8 yrs)	Bill Hargrove		E363	
围棋 (GO, >7 yrs)	张松华	11:30 am - 12:20 pm	E361	\$70
少年武术-I (Martial Arts-I, 5-7 yrs)	Renee Warren	11:30 am - 12:20 pm	E308	\$70
少年武术-II (Martial Arts-II, >8 yrs)	GINNY LAM		S100	
English for SAT: English for SAT_1 (Grade 7)	Matt Klinestiver	11:30 am - 1:00 pm	S301	\$130
English for SAT_2 (Grade 8)	Bryce Roberts		S303	
English for SAT_3 (Grade 9-10)	Calli Parnell		S305	
趣味商学 (Fun Business, Grade 3-8)	Frank Au	11:30 am - 12:20 pm	E346	\$70
趣味数学 (Fun Math, Grade 3-5)	石青	11:30 am - 12:20 pm	E353	\$70
Math Problem Solving (Grade 5-7)	Calvin Deng	11:30 am - 12:20 pm	E342	\$70
Math for SAT: Algebra-1 (Grade 7)	Alan Liu	11:30 am - 12:20 pm	S306	\$70
Geometry-A (Grade 8)	谭碧凯		S304	
Geometry-B (Grade 8)	郭新华		S302	
Algebra-2 (Grade 9)	Xiaofei Bai		S300	
唱歌 (Singing, 5-7 yrs)	励琪	11:30 am - 12:20 pm	E343	\$70
不收新生 (Returning students only) 舞蹈班 1 (Dancing 1, 5 yrs)	薛璐璐	11:30 am - 12:20 pm	E150	\$70
舞蹈班 2 (Dancing 2, 6 yrs)	杨璐		E160	
舞蹈班 3 (Dancing 3, 7-8 yrs)	余清		E360	
舞蹈班 4 (Dancing 4, > 9 yrs)	刘俏俏		E350	
乒乓球 (Ping-pong, all ages)	Brian Xu	3:00-5:00 pm, Sat.	Middle Creek Community Center	\$70

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美术班 1 (5岁) / Drawing 1 (5 yrs)

Teacher: Jennifer Li, jenniferjli@yahoo.com

Classroom: E151

This class is an introduction to the amazing world of art and the kids will learn to unleash their creativity. Art will be hands on all the time. I will be teaching my students how to draw and on special occasions, making fun crafts! Through the course the kids will develop awareness to the principles of design (balance, rhythm, contrast, etc.), be able to mix primary colors to create secondary or tertiary colors, and manipulate shapes to create artwork. They will also learn about using different art tools such as markers, crayons, brushes, and many more! It is such an excitement to teach this class, and I look forward to working with you!

What you will need:

- 9x12 in. spiral bound sketchbook
- Pencils and erasers
- 24 box of crayons
- 12 box of markers

美术班 2 (6岁) / Drawing 2 (6 yrs)

Teacher: Christina Brown, greenkristel396@gmai

Classroom: E153

I'm here to help your child develop better drawing and other art techniques as well as getting in touch with their imagination and being creative with their art-work. This class will involve sketching realistic and abstract art. We will also have many series of art projects that would involve arts such as modeling, recycled crafts, and 3D models. I want to let the children learn an array of art techniques that they can use in future art classes but still have fun all at the same time.

Some things those are required for this class:

- sketch pad
- pencils, eraser
- markers or art pens (preferred)
- color pencils/ color markers/ color crayons

美术班 3 (7岁) / Drawing 3 (7 yrs)

Teacher: 庞建游 Jianyou Pang, jpo0000222@yahoo.com

Classroom: S102

- Continuing coordinating with color
- Continuing coordinating with picture structure
- Starting to introduce more of 3D concepts
- Continuing to introduce animal, nature, and possible people into drawing
- Drawing for telling a story

Some things those are required for this class:

- Sketch Pad
- Color Pencils
- A Good Drawing Eraser

美术班 4-A (8岁) / Drawing 4-A (8 yrs)

Teacher: 何婷 Ting He, xzheting@gmail.com

Classroom: E351

Drawing 4-A is designed to develop drawing skills of children aged 7 to 12. Curriculum is varied to include teaching cartoon figures, animals, landscapes and animation. It aims to teach both boys and girls how to observe the common objects from a new point of view and how to express their feeling in a fine art way.

In the first half of the semester, students will learn how to analyze the shape and colors of an object and the basic skill to sketch and color it. Based on the understanding of how to draw and paint, the students will be encouraged to draw to freely illustrate different themes under the guidance of the teacher. There will be an exhibition of students' art work at the end of each semester. Welcome all the parents and friends to join.

This class aims to strengthen children's confidence and open their minds. The teacher will help students to discover their strength, express their creative idea and evaluate art works with their artist abilities.

Tools: 2B pensile, eraser, color pensile or crayons (at least 12 different colors), drawing paper and markers (12 different colors).

美术班 4-B (8岁) / Drawing 4-B (8 yrs)

Teacher: 扬春晖 Chunhui Yang, yichunhui@us.ibm.com

Classroom: E349

Art class is designed for kids with some previous drawing experiences (7+ years old). This class mainly focuses on sketches and acrylics painting, as well as developing students' creativity by incorporating different techniques used by great artists. Topics include:

- 10 steps techniques for basic sketch drawing which includes line and contour drawing, perspective, coloring, shapes and proportion, tone, texture, pattern, and composition.
- 10 steps techniques for still life sketch drawings which includes developing form, applying shading, applying highlighting, and using perspective. This helps the students to learn how to give a three dimensional look to a two dimensional drawing.
- 10 steps techniques for acrylics painting focusing on color techniques, glazing, impasto, painting-knife, texture pastes and composition.

Tools needed: Various pencils (from 6H to 6B)/eraser/color pens/drawing paper/painting board or Easel/acrylics painting brushes/painting Palette.

美术班 5 (9岁以上) / Drawing 5 (>9 yrs)

Teacher: 钱芃 Peng Qian, qianpeng2008@gmail.com

Classroom: E345

中国画简称国画，它是中华民族文化的重要组成部分，具有悠久历史和优良传统的中国民族绘画。中国画在世界美术史上，卓然别致，占有很重要的地位。它内容丰富、风格独特，强调用线来描绘对象。中国画作画不受固定透视的约束，也不受时间、空间限制，以独特的"散点透视"表现物体与对象，依托自然，心神与实景相融汇的艺术旨趣，以及遗貌取神的表现方法，在世界美术领域中自成独特体系。

中国画强调："外师造化，中得心源"，要求"意存笔先，画尽意在"，做到以形写神，形神兼备。中国画与书法两者有着紧密相连，在达意抒情上都运用线条来表现，故有"书画同源"之说。

中国画从表现形式上可分为工笔画和写意画两种，从表现内容上可分为人物画、山水画、花鸟画三大类。花鸟画又可分为花卉、蔬果、禽鸟、虫鱼、走兽等种类。花鸟画作为入门题材是比较适宜的，深受孩子们的喜爱。

本学期我们的国画教程分为二大块，花卉和蔬果。

教学目标：

1. 认知：学习基本的用笔用墨方法（掌握运笔的走向，注意墨色的浓淡变化），恰到好处的调出所需颜色。
2. 操作：学会常见水果的基本画法。
3. 情感：通过国画教学，激发学生对中国民族传统画种的热爱，陶冶艺术情操。

教学重点：侧锋、中锋的用笔方法；三次调色法。

孩子们需要的绘画材料和工具：毛笔、墨汁、中国画颜料、宣纸、笔帘、一块能吸水的毯子、一只塑料水桶、两个白盘子、一个小碟子、一条旧毛巾。以上材料需要除学费外大约\$40的费用。

国际象棋 1 (Chess Introduction, 6-7 yrs)

Teacher: Arthur Lewis, jackmoccasin@yahoo.com

Classroom: E364

Chess 1 is designed for students identified as having little or no prior experience. The primary objective is to establish a foundation of basic skills. This process will involve lectures informed by references to published materials. By the end of year, students are expected to be able to play and fully record a legal game of chess.

国际象棋 2 (Chess Intermediate, 6-7 yrs)

Teacher: David Hurlbert, d_c_h_@bellsouth.net

Classroom: E362

Intermediate Chess studies opening, endgame, and positional analysis through a combination of lecture and supervised play. Competitive play is also covered. It is my goal for the students to learn about the real world of chess as well as theory.

国际象棋 3 (Chess Advance, >8 yrs)

Teacher: Bill Hargrove, omnitutor35@yahoo.com

Classroom: E363

As a "prerequisite" for this class I would like the student to know two things: First to be comfortable and conversant with algebraic notation, i.e. to know how to take down the moves in a chess game. Second I would like the student to have been playing chess for "a while" (like maybe a year) and to thus know a little more than just the moves. If your child has no other experience playing chess other than at RACL, the beginning and intermediate classes should be a prerequisite. Additionally if you are unsure if your child is "ready" for this class it may help to solicit the opinion of the instructors of the beginning and intermediate classes.

The legendary chess genius Capablanca once said, "The best way to learn...is from the games of the masters". Over time I have found the most enjoyable and productive lesson plan is to go over a particularly instructive or entertaining game played by the best masters. At the end of the lesson students are furnished with a handout of the game score so they can go over the lesson.

I have so far been able to find a new game to go over for the last three semesters, which means that students who have taken my course before are welcome and can continue learning by repeating it.

Course Summary:

I try not to take my teaching in these classes too seriously or to be unduly rigid in my approach, which is to say that my goal is get the children to enjoy chess first as opposed to teaching specific methods. I can't do very much on specific methods in one hour a week, but if I can make that hour an enjoyable experience for them and communicate the beauty and excitement of the game, then their natural curiosity and desire will take them much farther than I ever could.

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围棋 (7 岁以上) / GO (>7 yrs)

Teacher: 张松华 Songhua Zhang, shz_123gousa@yahoo.com

Classroom: E361

Introduction

Go is a game of strategy. Two players compete in acquiring territory by placing markers on a smooth wooden board with a simple grid drawn on it, usually 19 by 19 lines. Each player seeks to enclose territory with his markers, much like partitioning a field with sections of fencing. Further, each player may capture his opponent markers. The object of the game is to enclose the most territory, a simple goal that leads to the elegant and fascinating complexities of go.

Requirement

No specific requirement and open to all students who are interested in GO.

Students will learn from this class

- The Procedures of playing GO
- To know Life and Death
- How to start the game
- How to end the Game
- To know the Rule of Ko
- Proverbs for Beginners
- To know Go's Glossary

Class Plan

- Teaching basic concepts of the GO game
- Games
- Tournament

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少年武术 1 (Martial-1, 5-7 yrs)

Teacher: Renee Warren, rtwdesigns@embarqmail.com

Classroom: E308

Martial Arts I is an introductory class that focuses on teaching students traditional kung fu basics such as stance work, punching, kicking, and blocking techniques, and learning the first steps of Tan Tui (form that is linear and easy to perform). More importantly, students will learn about the Wu De, the universal code of respect, honesty, diligence, patience and humility. This class prepares students who want to move on to the Martial Arts II class as they get older.

少年武术 2 (Martial-2, 8 yrs)

Teacher: Ginny Lam and Mike Zhu, genek828@yahoo.com, myzhu@ncsu.edu

Classroom: S100

The purpose of the course is to teach students the fundamentals of Wushu. The skills learned in the course can be used later if students choose to continue to train in Wushu. Each class begins with warm-up and stretching exercises, followed by stances and kicks. There will be two trips to the Chinese Kung Fu Center in Raleigh to give students the experience of training at a school. By the end of the course, students should have a firm grasp of basic Wushu stances and kicks and be able to perform the Long Fist 1 form.

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English for SAT-1 (Grade 7)

Teacher: Matt Klinestiver, matkline@gmail.com

Classroom: S301

I'd start the class off by examining the SAT's format. During the first class session, I'll familiarize the students with the length of the test, standard question types, and basic test-taking strategies. I'll also be providing questionnaires for the students to fill in. These questionnaires will include some practice questions and ask about perceived areas of difficulty. I want to make sure that the class is specifically tailored to the needs of the students, so we'll be using a curriculum which is based on my impressions of the class's strengths and weaknesses.

I'm of the belief that the ideal way to learn SAT vocabulary is through seeing it in use, and to that end, I want to expose my students to a wide array of literature where the terms will be used in appropriate contexts. Students will be expected to memorize Greek and Latin root words, which often hold the key to deciphering a difficult English term. I'll be asking students to do in-class essays from time to time, and I'll be critiquing their use of grammar, punctuation, and syntax. We'll look at plenty of material drawn from old tests, especially critical reading passages. I want the students to feel comfortable with identifying key terms and main ideas. SAT scores are vital to college admittance, and I feel privileged to be able share my knowledge of the test with your students.

English for SAT-2 (Grade 8)

Teacher: Bryce Roberts, bryceproberts@gmail.com

Classroom: S303

In the class, students will be familiarized with the key concepts of the SAT: structure, question types, strategies, vocabulary, and writing skills. Using questions from real tests, students will build confidence as they get used to the test, while improving their test taking skills and strategies. The class will also teach specific writing strategies for the SAT, including structure, elements of good writing, and grammar. Students will finish the class better prepared for the SAT, and with knowledge of what will be expected of them on the actual test.

The instructor has over 10 years' teaching experience in ESL and test preparation. He worked for The Princeton Review in New York and Shanghai, China, where he taught SAT and GMAT courses. He also taught TOEFL and IELTS classes in China.

English for SAT-3 (Grade 9-10)

Teacher: Calli Parnell, callilily05@gmail.com

Classroom: S305

The course I will be teaching is designed to prepare students for the verbal and essay sections of the SAT test. We will start by learning the framework of the SAT and test taking strategies. From there we will explore vocabulary specific for the exam, and have multiple writing workshops to enhance their essay writing skills. My goal is to extend the students' understanding of written language, and enhance their strategies to be able to read a wider variety of text with more complex vocabulary. Each class will have instruction, followed by independent practice or collaborative group work; we will have writing workshops, play vocabulary games, and work together to ensure that each student possesses the knowledge necessary to succeed to their maximum potential on the SAT exam.

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趣味商学 (Fun Business, Grade 4-8)

Teacher: Frank Au, franko7878@yahoo.com

Classroom: E346

Through fun activities and interactive learning, students will learn valuable skills in areas such as organization, leadership, team work, visual presentation, communication, and interview protocol. They will also experience basic business concepts such as free enterprise, competition, price setting, supply and demand, and much more. Students will form teams to develop market and "patent" their products, which are represented by craft items created by the students. On the last day of school, teams will use "fake money" to sell their products in a simulated open market to compete to win the highest profit. The winning team will be awarded gift cards. These skills can be applied to student's current life and beyond.

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趣味数学(Fun Math, Grade 3-5)

Teacher: 石青, ilovechinese11a@gmail.com

Classroom: E351

根据小学生的年龄特点和数学程度把平时比较理论和枯燥的数学知识用比较有意思的形式表达出来，在学习数学知识的同时，提高学生学习数学的兴趣。

- 心算—先从培养学生对数字的感觉入手，通过找一些数列的规律，填一些数字魔方矩阵等，帮助学生寻找和掌握一些快速运算的的规律，以提高学生计算的速度。这既可以锻炼学生的数学能力也能培养相对应的记忆力和反应能力。
- 应用题—通过为一些侦探故事寻找答案和解决学生日常生活时碰到的问题，提高学生学习数学的兴趣。学生通过把学到的数学知识运用到现实生活中去，一方面可以提高把各类题型抽象成常见的数学模型的能力，另一方面由于应用题的性质也提高学生对中文的理解力。

- 简单的数学推理题—通过介绍一些简单而十分常用的推理原理，比如抽屉原理、容斥原理等等，让学生利用已知条件，锻炼和提高比较严密的推出要达到的结果的能力。
- 几何问题—通过一些有趣的题型，如一笔画问题、线段的分割、不规则图形的处理等等，帮助学生了解和掌握常用图形的性质和作用。

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Math Problem Solving (Grade 5-6)

Teacher: Calvin Deng, use.a.moe@gmail.com
 Classroom: E342

Introduction

Math Problem Solving is a class designed to go beyond what is taught in the classroom and develop logic and critical thinking skills. This class will help 5-7 grade students who are preparing for contests like MathCounts and the AMCs.

Requirements

Students must be in middle school and be in Pre-algebra or higher.

Topics

- Geometry
- Linear Equations and Word Problems
- Arithmetic Operations
- Probability & Counting
- Inequalities
- Number Theory

Recommended Reading

"Competition Math for Middle School" - Jason Batterson. This book can be found here:
<http://www.artofproblemsolving.com/Store/viewitem.php?item=compmath>

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Math for SAT-Algebra-1 (Grade 7)

Teachers: 刘忻泽 Alan Liu, alanliu123@gmail.com
 Classrooms: S306

My name is Alan Liu. I will be a junior at East Chapel Hill High School, and I'm very excited to be the instructor for this year's Math-Algebra-1 class at RACL.

This years' course will be formed around the Wake County Algebra-1 curriculum. I will also use the first class to take topics which registered students are most interested in and incorporate them into the curriculum. The main topics to be covered will be:

- Order of Operations
- Linear Equations (one-variable, multi-variable)
- Ratios, Percents, Proportions
- Inequalities
- Quadratic Equations
- Factorizations
- Exponents, Logarithms
- Sequences & Series

I plan to adapt the class topics to student's needs. Every student will have homework after each week's class. The homework will not take an excessive amount of time, but it will still challenge the student in the topics learned. There are no requirements for this course, but it is recommended that the students have already taken or are taking pre-algebra. If you have any more questions, feel free to contact me by email (alanliu123@gmail.com).

Math for SAT-Geometry-A (Grade 8)

Teachers: 谭碧侃 Bikan Tan, btan@ncsu.edu

Classrooms: S304

What is special about triangles?

What is special about circles?

How do we know $PIE = 3.1415926$?

How do we draw helping lines to simplify complex problems?

How to go from 0 Dimension to 3 Dimension?

Come to the class and think about these questions!

- Chap.1 Lines and Angles
- Chap. 2 Right Triangles and how to prove Pythagorean theorem
- Chap. 3 Congruent Triangles
- Chap. 4 Similarity
- Chap. 5 Polygons and introduction to method of induction
- Chap. 6 Circles and its properties
- Chap. 7 Area, volume and introduction to idea of calculus

Suggest Readings:

1. David Alan Herzog, CliffsStudySolver Geometry, Wiley Publishing, Inc.
2. Staff of Research & Education Association, Problem Solvers Geometry: Plane, Solid, Analytic

PS: Lectures will be delivered in English. Each chapter starts with definition, and will continue with problem solving practice and ends up with leading students to more open thinking in this field. There will be some homework, one midterm and one final exam. After all, this course is to draw as much interests as we can.

Math for SAT-Geometry-B (Grade 8)

Teachers: 郭新华 Xinhua Guo, helenguo98@yahoo.com

Classrooms: S302

This class is for 7th, 8th grade students who are currently enrolled in geometry, or for the talent students who already know the basic geometric conceptions.

Target:

- Master and deepen the knowledge learned from public school. Get ready for SAT test.
- Develop logic thinking skills. Drill the ability of solving questions in test.
- Review and be familiar of algebra 1 and most of algebra 2 knowledge.

Material:

Base on the book, Barron's Math Workbook for the New SAT, 3rd/4th edition, and some other test books will be used in class or homework, for example, Kaplan SAT,2012 etc, you are not required to buy them.

Topics:

- Angle Relationships
- Triangle
- Polygons, parallelograms, and circles
- Perimeter and area
- Inscribed polygons and circles, areas of shaped regions, and length of line segment
- Solid figures and Coordinate geometry

Math for SAT-Algebra 2 (Grade 8-9)

Teachers: 白晓菲 Xiaofei Bai, polly.x.bai@gmail.com

Classrooms: S300

- Equations and Inequalities (2 sections)
- Linear Equations and Functions (3 sections)
- Linear Systems and Matrices (4 sections)
- Quadratic Functions and Factoring (5 sections)
- Polynomials and Polynomial Functions (2 sections)
- Exponential and Logarithmic Functions (4 sections)
- Quadratic Relations and Conic Sections (2 sections)
- Counting Methods and Probability (1 section)
- Sequences and Series (3 sections)

The materials to be covered and the lecture arrangement are subject to change according to the conditions of enrolled students.

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Singing (5—7 yrs)

Teachers: 励琪 Qi Li, lisali820@gmail.com

Classrooms: E343

课前准备:

- 1 每堂课上课前,先放一段音乐,让孩子们跟着音乐踏步或者随意舞蹈。让孩子们提前进入状态。
- 2 发声练习,把嗓音打开。

授课内容:

- 1 发新歌歌单的同时,让孩子们听新歌,熟悉歌曲。
- 2 花短时间讲解歌词大意。并逐句听和试唱。纠正不准确部分。(唱歌的同时可加入简单动作)
- 3 当孩子们能独立唱完整首歌曲后,采取合唱或分组唱或轮唱的形式练习。
- 4 课堂中适当加入表演课程。如:模仿训练(包括动物模仿和人物模仿训练)和想象力训练。

教学安排:

- 1 如果歌曲较为简单的,一节课 1 首。难度较大的歌曲,需 2 课时。
- 2 如果同一首歌曲(简单的)既有中文版本,又有英文版本的,在同一课时完成。

教学歌曲形式:

- 1 中文歌曲
- 2 英文歌曲

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Following Dancing classes only accept returning students. No new registration is taken.

舞蹈班 1 (Dancing, 5 yrs)

Teacher: 薛璐璐 Jackie Xue, jxue0406@gmail.com
Classroom: E160

舞蹈班 2 (Dancing, 6 yrs)

Teacher: 杨璐 Lu Yang, lyang13@ncsu.edu
Classroom: E150

舞蹈班 3 (Dancing, 7-8 yrs)

Teacher: 余清 Qing Yu, yuqing982529@gmail.com
Classroom: E360
er.phoebe@hotmail.com

舞蹈班 4 (Dancing, >9 yrs)

Teacher: 刘峭峭 Qiaoqiao Liu, qiaoqiao.liu2009@gmail.com
Classroom: E350

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Ping-pong (all levels / all ages)

Teacher: Brian Xu, xuperman76@gmail.com
Classroom: Middle Creek Community Center

This class opens to all levels and all ages students. It is held at 2-4 pm on Saturday.
