

RACL 2009 - 2010 学年课外活动班

课程 Classes	教师 Teachers	上课时间 Class Hour	教室 Classroom	学费 Tuition
国际象棋 1 (Chess Beginners, 5-7 岁)	Arthur Lewis	11:30 am - 12:20 pm	E364	\$70
国际象棋 2 (Chess Intermediate, 5-7 岁)	Eric Slavin		E362	
国际象棋 3 (Chess Advance, 8 岁)	Bill Hargrove		E363	
围棋 GO (7 岁以上)	张松华	11:30 am - 12:20 pm	E361	\$70
趣味科学 (Fun Science, Grade 3-4)	高 苏	11:30 am - 12:20 pm	E351	\$70
趣味数学 (Fun Math, Grade 3-4)	周增均	11:30 am - 12:20 pm	E353	\$70
Business Leadership and Money Concepts (Grade 4-6)	Ruby Au	11:30 am - 12:20 pm	E346	\$70
少年武术-I (Martial Arts-I) 5-7 岁	Renee Warren	11:30 am - 12:20 pm	E308	\$70
少年武术-II (Martial Arts-II) 8 岁以上	Michael Jin		S100 Basement	
美术班 1 (Arts, 5-7 岁)	罗 晓	11:30 am - 12:20 pm	E151	\$70
美术班 2 (Arts, 5-7 岁)	刘 波		E153	
美术班 3 (Arts, 8 岁以上)	杨春晖		E162	
中国画 (Chinese Painting: 8 岁以上)	钱 芑		E345	
English for SAT_1 (Grade 7)	Eireann Dunbar	11:30 am - 1:00 pm	S301	\$130
English for SAT_2 (Grade 8)	Cheryl Sacek	11:30 am - 1:00 pm	S303	\$130
English for SAT_3 (Grade 9)	Meg Stivison	11:30 am - 1:00 pm	S305	\$130
English for SAT_4 (Grade 10)	Matt King	11:30 am - 1:00 pm	S307	\$130
Math Problem Solving (Grade 5-7)	Calvin Deng	11:30 am - 12:20 pm	E342	\$70
Math for SAT: Algebra 1 (Grade 7)	杨冬梅	11:30 am - 12:20 pm	S300	\$70
Geometry (Grade 8)	谭碧凯		S302	
Algebra 2 (Grade 9)	张红岩		S304	
Advance (Grade >8)	黄亮亮		S306	
唱歌 (Singing, 5-7 岁)	刘 翠	11:30 am - 12:20 pm	E343	\$70
不收新生 (Returned students only)		11:30 am - 12:20 pm		\$70
舞蹈班 1 (Dancing 1, 5-6 岁)	林 娟		E150	
舞蹈班 2 (Dancing 2, 6-7 岁)	蔡 芳		E160	
舞蹈班 3 (Dancing 3, 7-9 岁)	林 敏		E260	
舞蹈班 4 (Dancing 4, 9-11 岁)	刘俏俏		E350	
乒乓球 (Ping-pong, all ages)	Derek Xu	3:00-5:00pm, Sat.	Middle Creek Community Center	\$70
成人太极拳 (Tai Chi for Adults)	吴晓琴	10:00 am-11:00 am	E250	\$70

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美术班 1 (5--7 岁) / Drawing 1 (5--7 yrs old)

Teacher: 罗 晓 Xiao Luo, luoxiao123@gmail.com

Classroom: E151

Curriculum Characteristic:

In this class the children will experience a period of transition that from the enlightenment independent creating. This course includes the painting, material testing, three-dimensional shape and crafts in different forms. Children can be under the guidance of art teacher, to each experience the full three-dimensional shapes and rich colors of teaching charm. Children can try a wide range of materials and techniques to a variety of art forms, which includes modeling teaching, colors teaching and handmade teaching. Each class is different and fresh, in which case can help children increase their interest on painting.

Curriculum Target:

Let the children attempt to know and understand different kinds of painting, which can rich the imagination of art. And to improve their ability of integrated creativity, which can build a good foundation of the future learning in painting.

Curriculum Plan:

Crayon, drawing, handmade, collage, etc.

Tools need:

- Color pens, crayon and pencils (2B is fine).
- Sketch book (Medium size, like A4).
- Color plasticene.

美术班 2 (5--7 岁) / Drawing 2 (5--7 yrs old)

Teacher: 刘 波 Bo Liu, lbo2@ncsu.edu

Classroom: E153

My drawing class will emphasize on developing kid's drawing skill.

Children are natural artist. Their expressions in Art are usually uninhibited and free, without any conceptual understanding of design, proportion and composition. Their works are often based simply on their basic perception and ever - active imagination.

Training children to develop drawing skills is important. Without proper training and direction, children tend to gradually lose the natural ability and confidence in Art as they mature and reach adulthood.

My drawing class this semester will focus on two things, one is color drawing, and I will show students how to draw objects in color hand by hand, materials include trees, flowers, animals, buildings, sky, beaches, rivers, oceans and human. Kids will learn how to choose colors for their drawings. Another skill I will teach students is sketch, because sketch is very important basic skills for all kinds of drawing, I will show students how to use the single color to draw the objects, how to make it proportional and the drawing look like a real object. Besides, I also will provide simple drawing materials for some little kids in my class to fit their interest, since there are several much young kids in my class last semester.

What you'll need:

- You need a sketch pad in this class.
- It is a good idea to find a container that can accommodate all your sketching material.
- A good range of pencils is important. When you buy pencils, try different degrees of hardness and softness. Hard pencils are good for line work, while the softer pencils can be used for shading. So you can choose the pencils either with 1B, 3B and 5B or 2B, 4B and 6B.
- A set of color ink pens or pencils can be an invaluable tool in this class. These do not have to be expensive.

美术班 3 (8 岁以上) / Drawing 3 (>8 yrs)

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

Classroom: E162

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 4 (10 岁以上) / Drawing 4 (>10 yrs)

Teacher: 钱 芑 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，激发学生对中华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\$25 的费用。

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国际象棋 1 (Chess Introduction, >6 岁)

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 岁)

Teacher: Eric Slavin, ejslavin@gmail.com

Classroom: E362

If you know how to use your sails, then you will be able to cross the water. The intermediate skills in chess involve the ability to efficiently use 1) Time, 2) Space, and 3) Power in playing chess. Intermediate chess focuses on the beginning of the development of strategy. What works and what does not for what we are trying to accomplish? What is the true value of a bishop? What is the true value of a knight? The class will have a lively and ordered atmosphere that encourages the involvement of the parents in learning how to best accomplish our goals. Chess teaches responsibility or knowing how to respond well to every situation and, also, with what strength or power...Sometimes it is best to be cautious and other times it is necessary to be daring, so that the end result can be achieved. Eric J. Slavin is a licensed K-12 teacher, holding a Master's degree in Education, who believes that chess is a form of study that helps with better academic results in other subjects, and beyond. We will all be working to help one another to achieve excellence in chess together. He has previously taught intermediate chess, and looks forward to working with the class.

国际象棋 3 (Chess Advance, 8 岁以上)

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.

Course Summary:

The first period will be a quick review of some exercises I taught last spring in the intermediate class, checkmating a long king with various pieces and a timed knight tour.

There will be at least one, perhaps two lessons devoted to the opening. I will avoid memorization here, concentrating instead on general principles, and instilling a set of “do’s” and “don’ts” instead.

There will be one lesson devoted to a lecture on a famous or classic game for inspiration and entertainment.

There will be one lesson on “how to think” during a chess game.

There will be a number of lessons where the students divide up into teams of two – or as a class and play “beat the teacher”. The teams record their moves and I critique them in a subsequent lesson. Incidentally: This “learn by doing” technique has generally proven to be the most fun for everyone.

This description comprises about a third of the course. As for more specifics as to lesson plan(s) or where the course will go I have no idea: So much depends on the students.

Most importantly: 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 playing 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 岁)

Teacher: Renee Warren, rtwdesigns@embarqmail.com

Classroom: E308

Come learn traditional kung fu at RACL! Students from 5 years old and up will learn basic stances, punches, blocks, and kicks. Renee Warren also teaches linking techniques into combinations. Your child will learn about discipline, respect, weapons, history of the old arts, and more importantly the Code of Ethics called the Wu-De. This is a great class that will help improve your child's focus, strength, coordination and builds good character.

少年武术 2 (Martial-2, 8 岁以上)

Teacher: Michael Jin / Zhaowei Jin, jin_zhaowei@yahoo.com

Classroom: S100

武术课外活动班的主要对象是九岁以上的学生，将着眼于提高学生的身体素质，包括力量，耐力，柔韧性，协调性和灵敏性。培养学生吃苦耐劳的精神。

教学内容：1) 身体素质训练，2) 武术基本功训练，包括步形(弓步，马步，仆步，虚步，歇步)，拳法(直拳，勾拳，摆拳，等)，腿法(弹腿，蹬腿，侧踹，边腿，等)，以及动作组合。本课突出武术的实用性。

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English for SAT-1 (Grade 7)

Teacher: Eireann Dunbar, eireannleigh@hotmail.com

Classroom: S301

Leading the SAT prep class through many of the various approaches towards mastering this test:

- Providing an educational environment conducive to learning, in a way that invites all students to participate in lessons at their own level.
- Creating a space of respect, engaging fun, curiosity, creativity, integrity, (and on occasion) cooperation while working with others in group settings, & arriving at a place where young adults are encouraged & supported to flourish on their learning edge.

Expectation:

Students take responsibility for their work, their efforts & their wonderful progress along their educational path!

INTRODUCTION / FIRST DAY : WHY THE SAT

* Inspiring motivations and personal success!

* Create personal lists of important reason why we want to do well on the SAT & Learn many ways it can benefit our lives

* SAT facts and overview

* 10 SAT Prep Tips for Freshmen

* The SAT Basic Principles & Tips

* BEHIND the Essay: Writing & Reading : understanding their very important roles in your education!

This class will be covering work on all of the following on a monthly basis, throughout each semester.

BASIC STUDY SKILLS

* practice constructing outlines (functions in essay writing)

- * Strengthen Ability for Critical Thinking & Reading
- * Review & Practice responding efficiently to the way SAT questions are designed
- * identifying essential facts in reading passages

VOCABULARY

Weekly beloved Vocab-Toons :)! We will continue to "Think Thesaurus"!

A NOVEL APPROACH TO THE SAT

<The Tales of Edgar Allan Poe>

This is the one and only required- book you will need to buy for class.

We will be reading the suspenseful and mysterious short stories . . . of Poe, which includes over 700 SAT vocab words frequently tested on the SAT highlighted throughout the text.

Reading is the proven success prep for familiarity and retention of improved vocabulary, reading and writing skills. So let's have plenty of fun with this!

<A collection of Poe's most popular short stories>: Definitions for each highlighted word on the facing page.

Edgar Allan Poe (1809-1849) was an American writer, poet, and critic.

GRAMMAR

- * Reviewing language Basics: Sentence Structure, Spelling, Syntax, etc.
- Sample Lessons: Sentence Completion: From Sentence shifters:
- Shift the flow and meaning of a sentence: To the basic review:
- group projects of latin and greek roots for mastering the English language

CRITICAL READING & CRITICAL WRITING

- * Time made for some official Essay Composition
- * Occasionally, we will learn hands-on with Classroom Writing Workshops!
(Workshop of some of our own essays from class)
- * Review & Discussion of the wide variety of differently-scored & officially graded Essays

MOST OF THE BOOKS WE WILL WORK FROM:

* **SAT Prep, SAT Writing,**

* **SF WRITER**

College Freshman English Wonderful, Concise Reference
Punctuation and mechanics, etc

* **50 Successful Harvard Application Essays, Second Edition:**

What Worked for Them Can Help You Get into the College of Your Choice

***The Tales of Edgar Allan Poe**

A Novel Approach to the SAT and ACT

Please bring this required reading book, to class, beginning the second week of class/Sept 18th.

English for SAT-2 (Grade 8)

Teacher: Cheryl Sacek, ayak1@aol.com

Classroom: S303

Does telling your own (or someone else's!) story well, appeal to you? Would you like to speak your own mind, or the completely opposite mind of a person entirely different from yourself, in a smart, stylish, or perhaps really comical way? The way to do that is to master the vast possibilities and variety available to us to use skillfully in English. We will build on your skills in vocabulary, and saying

well exactly what you really want to say, by reading some great books, short stories, and nonfiction, maybe by and about some great people. We'll practice all kinds of ways to write – there are a lot!, find out about the most common errors that most people make, and build up that vocabulary – where did that word come from anyway? I think you will find ways to say just what you mean to say, whether it's on the SAT, on a blog, in a debate, or your next report in school.

English for SAT-3 (Grade 9)

Teacher: Meg Stivison, meganlouise@gmail.com
Classroom: S305

As we continue to prepare for the verbal portion of the SAT, we'll be learning new college-level vocabulary, building writing skills by working on a variety of writing assignments, reading critically to get the most out of reading assignments and test passages, and having round-table discussions.

English for SAT-4 (Grade 10)

Teacher: Matt King, matthew5580@gmail.com
Classroom: S307

The class I will be teaching is intended to give comprehensive coverage to SAT topics as well as imparting the skills relevant to understanding the framework of the SAT. As such, we will be exploring antonyms, reading comprehension, grammar, and essay writing. Because a strong vocabulary is integral to each facet of the SAT, we will pay particular attention to building and strengthening our student's knowledge of the English language. This class is intended to be fun and educational. We will conduct workshops, take practice tests, and also play games in order to keep students interested and learning. If you have any questions please feel free to email me to find out more.

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趣味数学(Fun Math, Grade 3-4)

Teacher: 周增均
Classroom: E353

教学目的: 本课程是数学的思维与方法的启蒙教育。教师通过若干有趣的专题对学生进行逻辑思维与形象思维的训练, 培养学生对数学的兴趣, 在思维方法上得到一定的训练。

教学内容: 专题有扑克游戏、想想画画算算、看看数数算算、火柴棍游戏、一笔画、格点与面积、拼图游戏、图形分割、对称图形、数独、数字谜等等, 共 35 个专题。各专题独立成章, 前后无必然联系。我们将根据学生的接受能力, 选取若干专题讲解, 做到既动脑又动手。

学生: 以 3、4 年级为宜。

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趣味科学(Fun Science, Grade 3-4)

Teacher: 高苏, edwardzzhou@yahoo.com
Classroom: E351

通过启蒙式教学培养孩子们对于科学知识的兴趣和爱好。小孩子经常会问为什么? 如果能够从小到大保持这种 **curiosity**, 孩子就会不断地拓展他们的想象力, 增强求知欲, 扩大知识面。这对于孩子的成长必将具有长远的影响。

课堂上教师以中国家长家喻户晓的“十万个为什么”中自然常识类书目为蓝本，用习以为常的事例启发孩子们对自然现象及景观的思索，通过讲授，提问，互动，活跃和孩子们语言的交流，使得孩子们在汉语环境中不但巩固了汉语教学的宗旨，进一步了解一些有关天文，地理，自然现象中的中，英文对照关系(比如 **thunder** 是闪电，**wind** 是刮风等)，而且增加了对科学知识的兴趣,使孩子们顺其自然她融入到我们设立的寓教于乐的科学小园地.使得他们可以获得更多自然科学领域的知识。

第一堂课我首先自我介绍，并且讲述课程目标，了解孩子有哪些方面的兴趣。以便今后不断改变教学内容和方式。准备第一节课从万物之源—水开始讲解化学的魅力。留下思考。

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Business Leadership and Money Concepts (Grade 4-6)

Teacher: Ruby Au, ruby1594@gmail.com

Classroom: E346

What happens after the SAT? While many of you may be preparing for your child's exams, don't forget to prepare them for life after college. Today, Business Administration and Management is one of the most popular and lucrative career paths available. If your child is interested in management and leadership roles, exploring the business field, considering a business major, or interested in discovering the spirit of entrepreneurship, this class is exactly the right place for them. In this interactive environment, students will form teams to develop and market their own product, created out of the materials provided for them. As they compete to win the title of "bestseller", they will experience basic business concepts such as free enterprise, competition, price setting, supply and demand, and much more. Whether you are interested in discovering what entrepreneurship and business is, or simply looking for a fun way to gain valuable organizational skills that can be applied to your current student life, this class is the place to do it.

Short Biography about the Instructor:

Ruby Au is a high achiever chosen by Wake County School Board as one of the Spot Light students in her middle school years. Currently, Ruby is a high school junior attending Enloe High School. She was the sophomore Class President and was recently elected as the Junior Class President. She is also the Inductions Head of Enloe High School's National Honor Society Chapter. Ruby recently competed in a young entrepreneurs competition hosted by the Indus Entrepreneurs; along with four team members, they created a business plan that ranked in the top three statewide. Her other experiences include numerous state finalist titles in statewide DECA marketing conferences. This year, she won a statewide scholarship and represented North Carolina as an Ambassador for the Hugh O' Brian Leadership World Congress in Los Angeles. Thousands of youth leaders from around the world attend this conference. In May, 2010, She received a national honor when she was selected as a member of the National Society of High School Scholars (NSHSS). NSHSS is an organization founded by the Nobel Prize family.

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Math Problem Solving (Grade 5-7)

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 AMC's.

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: 杨冬梅 Dongmei Yang, dyang6412@yahoo.com

Classrooms: S300

This class is for 7th grade students who are currently enrolled in Algebra.

Text book: Barron's Math Workbook for the New SAT, 3th/4th edition, you are not required to buy it.

In this class, we will follow the flowchart of this text book, review basic SAT Math concepts, make students get familiar with more question styles, improve their problem solving skills and increase their interest in math. The following is the outline of this class.

- Arithmetic Skills and Concepts
- Numbers, Symbols, and Variables; Powers and Roots; Divisibility and Factors; Number Lines and ; Signed Numbers; Fractions and Decimals; Operations with Fractions; Fraction Word Problems; Percent
- Algebraic Methods
- Solving Equations; Equations with More Than One Variable; Polynomials and Algebraic Fractions; Factoring; Quadratic Equations; Factoring; Systems of Equations, Algebraic inequalities.
- Word Problems
- Translating from English to Algebra; Percent Problems; Some Special Types of Word Problems; Ratio and Variation; Rate Problem
- Geometric Concepts and Reasoning
- Angle Relationships; Special Triangles; Triangle Inequality Relationships; Polygons and Parallelograms; Perimeter and Area; Circles; Solid Figures

Math for SAT-Geometry (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 $\pi \approx 3.1415926$?

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, 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-Algebra 2 (Grade 9)

Teachers: 张红岩 Hongyan Zhang, hhzhang@yahoo.com

Classrooms: S306

First Semester:

1. Quadratic Equation and Functions.
 - 1.1: Solving Quadratic Equation.
 - 1.2: Quadratic Graph
 - 1.2.1: Roots
 - 1.2.2: Vertex, Maximum value and minimum value
2. Analytic Geometry
 - 2.1: Basic concept
 - 2.2: Linear equation
 - 2.3: Circle
 - 2.4: Parabolas
 - 2.5: Ellipses
 - 2.6: Hyperbolas
 - 2.7: Intercept and tangent.
3. Exponential and Logarithmic Functions.
 - 3.1: Exponential Functions
 - 3.2: Logarithmic Functions.

Second Semester:

1. Triangle Trigonometry:
 - 1.1: Basic concept
 - 1.2: Definition of sin, cos, tan,
 - 1.3: Solve General Triangles

- 1.4: Trigonometric formulas (add, sub, half angle) and manipulations.
2. Inequalities:
3. Sequences and Series.

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Math for Advanced Study (Grade >8)

Teachers: 黄亮亮 Liangliang Huang, qduanliangliang@gmail.com

Classrooms: S308

The class of Advanced Math at RACL this calendar year is designed to help students who take interest in the events of American Mathematics Competition (AMC) or American Invitational Mathematics Examination (AIME). The AMCs are the first of a series of competitions in high school mathematics, AMC 8 for students in grades 8 and below, AMC 10 for grades 10 and below, AMC 12 for grades 12 and below. Students who do well on the AMC 10 or AMC 12 are invited to participate in AIME.

Since the AMCs cover such a broad spectrum of knowledge, we assume the students enrolled have already got a solid background of algebra and geometry. We would definitely do the review sections, but our class will be balanced between teaching and practicing, and require close collaboration from parents.

We welcome students for all levels, AMC 8, 10 or 12. Class will be delivered in English.

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Singing (5—6 岁)

Teachers: 刘翠 Cui Liu, cqliucui@126.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 节课时。
- 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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成人太极拳 (Tai Chi for adults, all levels)

Teachers: Xiaoqin Wu Turner, xqw@bellwouth.net

Classrooms: E260

Tai Chi is an ancient Chinese health exercise. It is a sequence of gestures and movements that are gentle and fluid yet have profound power. It is a form of energy cultivation and internal martial art. Many medical professionals endorse Tai Chi as therapeutic for various health conditions. The class will introduce basic skills of body alignment, balance, coordination, and breath control. Through the exercise of weight transfer and core rotation, students will enhance internal energy and build physical strength.

Course Content:

Part I. Warming Up

1. Stretching
2. Qi Gong (coordinating breathing with body movements)

Part II. Tai Chi Basic Principles

1. Circular movements
2. Body alignment and coordination
3. Weight shifting and balancing

Part III. Tai Chi Form (Yang Style 24 Postures)

1. Harmonizing movements
2. Breathing, timing, mental concentration and visual focus
3. Transformation of inner energy into outward power (martial art application)

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Ping-pong (all levels / all ages)

Teachers: Derek Xu, xu_derek@yahoo.com
Classrooms: Middle Creek Community Center

This class opens to all levels and all ages, and is held at 3-5pm on Saturday.

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Following Dancing classes only accept returning students.

舞蹈班 1 (Dancing, 5-6 岁)

Teacher: 林娟 Juan Lin, linjuan20092009@yahoo.com
Classroom: E150

舞蹈班 2 (Dancing, 6-7 岁)

Teacher: 蔡芳 Fang Cai, avon320@gmail.com
Classroom: E160

舞蹈班 3 (Dancing, 7-8 岁)

Teacher: 林敏 Min Lin, 27minlin@gmail.com
Classroom: E360

教学目的:

1. 拉丁舞: 伦巴, 恰恰舞的基本舞步的教学。

2. 成品舞蹈<<舞蹈乐园>>的编排和教学。

教学准备:

RUMBA, CHA CHA 的音乐, CD PLAYER

教学安排:

1. 第一-三周, 复习上学期的内容, 成品舞蹈开场的编排。
2. 第四-六周, RUMBA 基本套路的学习和队形的编排和练习。
3. 第七周-期末, CHA CHA 基本套路的学习和队形的编排和练习。

舞蹈班 4 (Dancing, 9 岁以上)

Teacher: 刘峭峭 Qiaoqiao Liu, silver.phoebe@hotmail.com

Classroom: E350

教学内容: 中国民族民间舞 (苗族)

教学目的: 编排一支完整的苗族舞蹈。让孩子们在学习舞蹈的同时, 了解苗族的文化风格。

课程安排:

9 月~10 月: 继续学习上学期没有学完的舞蹈动作。

11 月: 编排舞蹈队形。

12 月~学期结束: 排练, 这段时间的教学主要强调舞蹈动作细节上的处理, 以及苗族舞蹈的感觉。

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