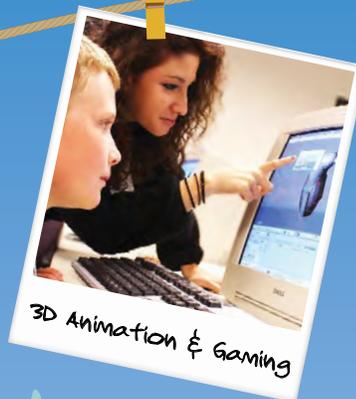




LEGO® Learning



Academic Skills



3D Animation &amp; Gaming



Creative Arts

## SUMMER YOUTH PROGRAM WORKSHOP DESCRIPTIONS



Your guide to more than 60 one-week workshops for students entering grades K-12.

### LEGO® LEARNING

#### LEGO® Car Rally

Build classic, concept, solar, rubber band, wind sail and even flying cars! Race them all against the clock and against each other. You'll even build a race car driven by the power of gravity! Learn more about the mechanics of cars using LEGO® Technic building material.

#### LEGO® Friends - A Whole New World

Make new LEGO® Friends and explore a whole new world. Meet Mia, Emma, Andrea, Stephanie and Olivia. Don't worry, your old minifig pals will be there too! Build cities, shops and ice cream stores while you and your friends create stories to explore your new world of imagination.

#### LEGO® Maniacs

Alligator scissors, merry-go-rounds, LEGO® Lawn Mowers and more! Build interactive projects using LEGO® elements and learn how these machines interact with the world around them. Work in teams and join in some friendly competitions against one another in a fun and educational environment.

#### LEGO® Nano-Bots

The LEGO®s are alive! Controlled only by you and your imagination ... and LEGO®'s WeDo® System, that is. Utilize this groundbreaking simple system to power up your LEGO® creations with plug-and-play motors, switches and sensors. The simple drag-and-drop interface allows students to learn the basics of computer programming while having fun controlling their creations.

For complete workshop schedule, including dates, costs and entering grade levels, please refer to our two-page guide entitled "SMU-in-Plano Summer 2012 Youth Program" which is available online at [smu.edu/summeryouth](http://smu.edu/summeryouth)

 = new

#### LEGO® Pet-Bots

Create interactive, moving LEGO® Pet-Bots such as Cat-Bots, Dog-Bots and Orangutan-Bots using LEGO®'s WeDo® System. Utilize this groundbreaking simple system to power up your LEGO® creations with plug-and-play motors, switches and sensors. The simple drag-and-drop interface allows students to learn the basics of computer programming while having fun controlling their creations.

#### LEGO® Goofy Gizmos

Build Goofy Gizmo machines using LEGO® elements. Work in teams to assemble balloon-powered rocket cars, cable car parachute machines and wall racers! Join in some friendly competitions against one another in a fun and educational environment.

#### LEGO® Imagineering

Just like Disney®'s Imagineers, you and your team will be set loose with your imaginations to create competing inventions! With expert guidance, you will be introduced to brainstorming and prototyping techniques. Who knows what you'll invent!

#### LEGO® Mindstorms: Apprentice Droids

Come to the dark side of the Force and serve the Dark Lord by carrying out special projects as his apprentice. Create new droid machines powered by LEGO® Mindstorms® to accomplish your missions. Use simple drag-and-drop style programming to control your creations and seek revenge on the Jedi Knights!

#### LEGO® Mindstorms: The Tron Experience

Welcome Programs! The MCP awaits you! Use LEGO® Mindstorms® to program Light Cycles, Battle Tanks and Recognizers and compete with other programs on the game grid and avoid being dazed.

## ADVENTURES IN SCIENCE

### Mini-Battlebots

Head-to-head non-stop action! Students design strategies to disable and defeat their opponents in battle. These Mini-Battlebot machines are based on the creative Rokenbok® RC and building units. Remote controlled vehicles are manipulated within an environment of mass hysteria and chaos in a ROK'n Rumble Arena of pure fun!

### Movie Makers

Create movie magic by combining stop-action shots and your imagination to bring your movie story ideas to the big screen. Pinnacle Studio from Avid will allow you to edit, splice, and transition your films like the pros. Learn how to create distinctive lighting, camera angles, special effects and more! On the Friday of each workshop your parents will be invited to the film festival where your movies will be featured.

### Myth Breakers

Have you ever wondered if what you heard was true? Does your tongue really stick to a flag pole in the winter? Do plants really have feelings? In this class we'll try to bust those myths and more! Come ready with an open mind and hard hitting questions. We'll create experiments to determine what's real or what's really a myth!

### Rocketry

Build, test and fly real rockets while learning about Newton's Laws. Perform "fly-ability" tests with these rockets and create rocket-powered cars and other vehicles.

### Battlebots

Head-to-head non-stop action! Students design strategies to disable and defeat their opponents in battle. These Battlebot machines are based on the creative Rokenbok® RC and building units. Remote controlled vehicles are manipulated within an environment of mass hysteria and chaos in a ROK'n Rumble Arena of pure fun!

### Colossal Constructors

Compete for the strongest bridge, the longest bridge and the tallest structure. In this workshop you'll create truss, suspension and cable-stayed bridges of different designs. Work together to create a larger than model-life-sized version of a working bridge!

### CSI Forensics

Experience "solving" a crime. Learn how to take and lift fingerprints, examine hair and fiber evidence, bone analysis and explore the basics of crime-lab chemistry. Hands-on crime-lab activities include diagramming a scene, performing method searches for evidence and documenting the different scenarios that might have occurred.



LEGO® Learning, Adventures in Science and Digital Media workshops are offered through our partnership with The Study Center, which has worked with SMU for more 20 years. Their staff of instructors are trained on STEM concepts and bring decades of combined experience to the Summer Youth Program.

## DIGITAL MEDIA

### 3D Animation I

Learn how movies such as *Avatar*, *Ice Age*, *Shrek*, *Toy Story* and *Up* are created. Take a leap into the world of 3D animation with Blender, the latest in 3D rendering and animation programs. Your first adventure with Blender will show you how to design and animate characters in stage settings with backdrops and textures. By the end of the week, you will have an animation to share with your friends and family!

### 3D Animation II

Continue your Blender adventure in creating 3D animated movies like *Kung Fu Panda*, *The Lion King* and *Dr. Seuss' The Lorax*. Learn advanced approaches to modeling and animation and expand your skills from 3D Animation I. Create multiple characters with more detail and render longer movies. *Prerequisite: 3D Animation I or instructor approval.*

### Digital Gaming I

Create arcade games like "Breakout®" and "Asteroids®" using one of the best software packages available on the market. No programming or coding is needed to create these full-blown games complete with multiple levels, lives, score boards and more. Just simply drag, drop and click your way to a professional game that can be shared with family, friends and even online communities.

### Digital Gaming II

Unlock new game construction skills to create an extended multilevel game such as "Legend of Zelda®" or "Super Mario Brothers®." As the structure of your game unfolds, your ideas begin a full-scale take over using a barrage of special effects including explosions, upgrades and new features in your ultimate game design. Even learn how to export your games to iOS devices such as iPhone, iPod Touch and iPad (devices not included). *Prerequisite: Digital Gaming I or instructor's approval.*

### Pro Gaming 🐎

A full-day experience geared towards an older crowd, Pro Gaming allows you to immerse yourself in creating near professional quality games with Multimedia Fusion 2. Easy to use export tools allow you to port the same games you created for your PC to mobile platforms such as iOS and Android (devices not included). Digital Gaming I and II may be helpful in this course but are not required. Given the extended workshop time and smaller class size, you'll be able to learn without any prior experience. By the end of this workshop you will have created at least two substantial games with professional-looking graphics and features. No prerequisites.

### Pro 3D Animation 🐎

A full-day experience geared towards an older crowd, Pro 3D Animation allows you to immerse yourself in the world of Blender and create near professional quality animations. *3D Animation I and II* may be helpful in this course but are not required. Given the extended workshop time and smaller class size, you'll be able to learn without any prior experience. By the end of this workshop you will have created at least one substantial animation complete with lighting, texture and motion.

## CREATIVE ARTS

### Finding Your Beat 🐎

Clap your hands, stomp your feet and play a musical instrument that you yourself make! Through games, arts and crafts, and listening, students will learn basic note values and rhythmic theory; how to count, read and write basic note values; and how and why music is grouped the way it is. They will also discover how rhythm and time is the “glue” that makes music possible.

Come find your own beat with Jeffrey Keene, the timpanist for the Plano Symphony Orchestra. With a Master’s degree in music performance, he has taught classes and individuals throughout the nation and locally for the Frisco, Prosper, McKinney and H.E.B. school districts.

### Musical Zoo 🐎

Come play in a musical zoo! Students will have the opportunity to hear members of the Plano Symphony Orchestra demonstrate animal characters through their instruments. They will learn about the animals associated with each piece of music while exploring the symbolism used in the music through crafts and games. In addition, every child will have hands-on experience with real string, woodwind, brass and percussion instruments.

This fun and unique musical camp will be led by Dr. Jennifer Wheeler, a flutist with the Plano Symphony Orchestra, who has over 15 years’ experience working with young musicians.

### From Heartbeats to Drumbeats 🐎

Drums permeate every culture and form of music in the world! Through a hands-on approach, students will be introduced to drum and percussion instruments from around the globe. They will learn about the history of the instruments, their world origins and basic techniques to playing the instruments. They will also make their own instruments and learn basic rhythms and note values. The workshop will culminate in a group performance for parents on the last day.

Jeffrey Keene is the timpanist for the Plano Symphony Orchestra and holds a Master’s degree in music performance. He has taught classes and individuals throughout the nation and locally for the Frisco, Prosper, McKinney and H.E.B. school districts.

### Recorder Jam 🐎

Amaze your family and friends by learning an instrument this summer – even if you’ve never attempted anything musical before! Students will learn classical, movie and pop tunes on the recorder, which also provides a fun way to discover playing music with a group. Basic music skills such as rhythm, note reading, and fingering will be addressed as students explore the music of such diverse composers as Mozart, John Williams and Taylor Swift. The workshop will culminate in a performance for the parents on the last day.

Come learn to play music with Dr. Jennifer Wheeler, a flutist with the Plano Symphony Orchestra, who has worked with young musicians for more than 15 years. Recorder included in course fee.

### Allaka ZZam Magic Camp

Young Allakazzamers will learn the history of magic from Houdini to David Copperfield and how conjuring has evolved over the years. They will also make, perform and understand magic, as well as the underlying scientific principles that are truly amazing! This year’s Magic Camp will teach crafts, explore experiments, and also emphasize public speaking as students learn to perform their tricks in front of others. Students will take home a giant “Allaka ZZam Magic Kit” with made and supplied magic props worth over \$100.

The camp will be taught by Paul Osborne, performer and professional illusion designer to the world’s greatest magicians. His credits range from Las Vegas to Monte Carlo, and his ideas and illusions have made their way to major theme parks, Broadway and network television.

### Smash Art Journals 🐎

Collect lots of memorabilia from your busy life then smash it all into your own art journal. Dive into a multi-media experience that re-purposes and up-cycles memorabilia, found objects, embellishments and more – then combines them together with different art techniques such as stamping, stenciling, collage, folded structures and stitching – to create uniquely you journal pages to fill your Smash Art Journal. So gather your photos, ticket stubs, clippings, quotes, etc. and getting ready to SMASH!

Sheila Cunningham, MFA, is a fine art photographer exploring the world through cell phone photography, digital collages, Polaroid transfers, artist books and book art installations. In the past year, she has also collaborated with recycle artist Vet to create several site specific installations, including one at the State Fair of Texas.

### Printmaking Lab 🐎

Exploration is the key in the printmaking lab where boys and girls will investigate traditional and experimental printing and stamping techniques. The results will be tons of unique printed and patterned papers to use in individual and collaborative art projects. Make a collage using your patterned papers or create an art journal featuring your paper as the cover.

Sheila Cunningham has an MFA in Art and Technology from UTD and works with several local and national organizations to teach a variety of art, bookmaking, printmaking and computer courses to both children and adults. Her artwork, project designs and articles have been widely published in books and national magazines, and she exhibits in solo and national juried shows.

### Adventures in Bookmaking 🐎

Calling all authors, illustrators, paper engineers and book lovers! What kind of adventures can you imagine that would fit into books that move, pop up, pull out or have hidden pockets? Gather your stories, story ideas and drawings to put into fun books that are definitely not your traditional school book. What kind of adventure should happen in a book that opens like a tunnel? Or one with small pages that pop out when opened? Get ready to explore the endless possibilities for combining text and imagery such as poetry, short stories, graphic novels, sketches or artworks within the many book structures you create.

With a Master of Fine Arts from UTD, Sheila Cunningham has taught a variety of art and computer classes to children and adults through several local and national organizations, as well as at Ghost Ranch in New Mexico.



*We are proud to partner with the Plano Symphony Orchestra (PSO) to offer the four new music workshops listed above. The executive offices of the PSO are located on the SMU-in-Plano campus.*

## Letters and Doodles - Oodles of Fun 🐎

Stressed because you don't think you can draw? Think your handwriting is awful? Take a deep breath – this is the workshop for you! Doodling is a fun way to focus, relax and create. No straight lines here – unless you want them. Play with meandering designs, abstract patterns and visual journals while learning basic forms that are the fundamental building blocks for drawing or documenting anything. Make your lettering come alive as you turn basic letter formations into fun alphabets. Creative lettering and doodles are oodles of fun and add a great dimension to artwork or add the perfect finishing touch to any project.

With a Master of Fine Arts from UTD, Sheila Cunningham has taught a variety of art and computer classes to children and adults through several local and national organizations, as well as at Ghost Ranch in New Mexico.

## Fashion Sketching and Design

Interested in fashion and drawing? Join other fashionistas and learn how to draw the fashion figure, clothing and accessories from magazines, style sheets and actual garments. This fun week emulates real-world assignments, projects and activities of the wildly exciting and fast-paced fashion industry! You'll set up your work space to reflect your own unique sense of style and make a trend board plastered with images to inspire. So start clipping images from fashion magazines and retail store catalogs NOW and bring with you to class. Since fashion changes constantly, as well as seasonally, students can repeat this renowned fashion camp year after year and reunite with old friends. Returning students will also have the opportunity to sketch some of their own designs. A list of supplies will be provided upon registration.

Cynthia Padilla enjoyed a 20-year career as a leading fashion illustrator, textile designer and colorist for apparel and home interiors. Her travels took her to major fashion centers including New York, Paris and Milan, and she calls upon these experiences so that young artists emerge with not just a portfolio of sketches and drawings but some life lessons as well.



## Cartooning I: Basics

Plano artist and illustrator/cartoonist Julio Suarez will introduce students to the art of cartooning and creating original cartoon characters, comics and even superheroes! Basic drawing techniques, illustration tips and hand-drawn cartooning skills will be studied and practiced through daily projects. Students will learn to create cartoon faces with emotions as well as cartoon bodies and movement using humans, animals and inanimate objects as subjects. Popular cartoons in the media will be used as references, and creativity and originality in students' self-expression will be emphasized in this fun, introductory workshop in which all supplies are provided. A graduate of NYU, Suarez has been teaching and making art in the DFW area for more than 20 years.

## Cartooning II: One-panel Comics

Plano artist and illustrator/cartoonist Julio Suarez will teach students the art of one-panel cartoons popular in *The New Yorker* magazine and in Gary Larsen's hilarious *The Far Side* books. Students will create cartoon characters and background settings, and brainstorm original captions to accompany their cartoons. Advanced drawing techniques, illustration and hand-drawn cartooning skills will be studied. Design principles and composition tips will also be reviewed. All supplies are provided.

A graduate of NYU, Suarez has been teaching and making art in the DFW area for more than 20 years. *Note: This is an advanced workshop intended for students with previous cartooning experience or those who have completed Suarez's Cartooning I workshop.*

## Drawing I

Learn the art of drawing using observation skills and imagination, while developing sketching skills using a variety of drawing tools. Exercises explore line, shape, form, value, color, texture and perspective. Subjects include plants, shells, animals, portraits, still life and landscapes, using pencils, pens, paint and paper cut-outs. Works by da Vinci, Van Gogh, Matisse, Hopper, O'Keeffe and Haring, among others, will also be studied. Improve your drawing skills and learn how to develop your own drawing style in a personal sketchbook. All supplies are provided.

NYU graduate Julio Suarez is an accomplished artist, whose work has been exhibited in galleries throughout the DFW area and beyond. He also creates, instructs and directs innovative art programs for youth that tie in with natural sciences, math and language arts, all based on national standards.

## Drawing II 🐎

Take your drawing skills to the next level with visual artist Julio Suarez. Students will learn new techniques using different media and drawing surfaces to create dynamic works of art. Exercises in shading, coloring, perspective and texture will be studied, along with illustration techniques and mixed media drawing. Using plants, animals, portraits, people and landscapes as themes, students will learn to capture forms and colors in realistic and stylized styles. The course will include poster design, abstract compositions and printmaking, and all supplies are provided.

NYU graduate Julio Suarez is an accomplished artist, whose work has been exhibited in galleries throughout the DFW area and beyond. He also creates, instructs and directs innovative art programs for youth that tie in with natural sciences, math and language arts, all based on national standards. *Note: This is an advanced workshop intended for students with previous drawing experience or those who have completed Suarez's Drawing I workshop.*

## Painting

Students will learn how to create original works of art using brushes and three kinds of paint: watercolor, tempera and acrylics. Sketching and designing skills will be taught as well as color mixing, painting techniques and painting styles. Elements of art and principles of design will also be studied through preliminary drawing exercises, and a variety of subjects, from still life to landscape to abstract art, will be explored. In addition, art history and famous paintings will be used to inspire students to discover their own creativity and style of self-expression. All supplies provided.

Julio Suarez is a professional visual artist specializing in watercolor and acrylic in the style of the post-impressionists and Fauvists, particularly Matisse. His artwork has been exhibited in galleries throughout the DFW area, and his paintings are part of private collections throughout the United States, Canada, China and Japan.

## Sewing: Complete Beginner

Learn the basics of sewing in one fun-filled week! Work at your own pace as you master your machine while learning fashion industry tips for laying out fabric, holding scissors, ironing and how to turn a very basic beginner pattern into your own unique vision. A “sampler” of machine stitches, hand sewing techniques and embellishments will aid in the transformation. The week culminates in a trunk show produced by the students for their family and friends. A sewing machine is required, but two “buddies” can share a machine. A supply list and suggestions of fabrics will be provided upon registration. Fee does not include your choice of fabrics and trims.

Cynthia Padilla enjoyed a 20-year career as a leading fashion illustrator, textile designer and colorist for apparel and home interiors. She has experience in every aspect of the fashion business from doing piece work in a dim sewing factory in Los Angeles’ bustling garment industry to being pinned into garments as a fit model for a fashion house.

## Sewing Studio

Work at your own pace in a fun and social environment. Your personal taste in fabrics and trims will transform a selection of instructor-chosen patterns into your own one-of-a-kind garment. You’ll use all the skills learned in the *Sewing: Complete Beginner* class to really begin to showcase your own sense of style. The camp begins with an optional first day shopping trip to the near-campus fabric store. Here we’ll discuss fabrics and you’ll get a vision of best fabric options suitable for your skill level as well as what’s recommended for the particular sewing pattern chosen. The week culminates in a fun runway show event produced by the young designers for their family and friends. A sewing machine is required, but two “buddies” can share a machine. A supply list and suggestions of fabrics will be provided upon registration. Fee does not include your choice of fabrics and trims. *Prerequisite: Previous sewing camp with Padilla, demonstrated sewing projects or instructor permission.*

Cynthia Padilla enjoyed a 20-year career as a leading fashion illustrator, textile designer and colorist for apparel and home interiors. She has experience in every aspect of the fashion business from doing piece work in a dim sewing factory in Los Angeles’ bustling garment industry to being pinned into garments as a fit model for a fashion house.

## Studio Arts: Drawing and Painting

Art and portfolio prep week designed to inspire serious art students to explore mediums, improve technical ability and examine their own work through critique. Assignments from direct observation (object, still life, portrait), student’s photo reference and instructor-provided academic references, as well as guided direction in individual student projects. The week culminates in an art salon/reception for family and friends, with live music, poetry, performance, dance, readings, and vocals chosen from and/or performed by the students. A list of supplies will be provided upon registration. *Prerequisite: Previous drawing or painting class with Padilla, a strong foundation in drawing or instructor permission.*

Cynthia Padilla instructs all-media painting and drawing classes for prestigious universities and museums internationally with a keen affinity directed toward study of the Great Masters. Called to curate and juror exhibitions, for research and reviews, lectures and demos, she has also served as a travel leader on art tours and retreats worldwide.

## GreatPhotography® Secrets

If you want to truly understand how your digital SLR works, then this class is for you. Perfect for the aspiring school paper/yearbook photographer or anyone in high school who wants to shoot stunning eye-catching photos – the kinds you see in the best books and magazines. This is a great hands-on class where you’ll get plenty of time to shoot and practice your newfound skills. Master your camera’s internal metering system and become confident when shooting in any mode, even that mysterious (M)annual mode. All students should have a working digital SLR camera. Although you will not need to do this in class, you will also need to have the ability to download your photos to a computer and handle some basic organizing and editing.

Rob Hull has been teaching photography at SMU for 15 years and is the owner of Coppel based GreatPhotography®. He is an award winning Certified Professional Photographer (CPP) and Adobe Certified Expert (ACE). In 2008 Hull received the prestigious Professional Photographers of America’s Photographer of the Year – Silver recognition.

## iPhoneography - Pocket Photography

If you own an iPhone, then you carry in your pocket one of the most versatile cameras on the market today. In this class, we’ll explore the Apple iPhone camera feature and learn how to use it to create much more than just snapshots of friends. Using the iPhone and some common apps, you’ll learn how to create stunning images that are even suitable for framing. Bring your iPhone and a little creativity and you’ll be amazed at the results. This is a hands-on class that’s even more fun with friends so grab a friend and enroll today. All students should have an Apple iPhone. Also, you should plan on spending about \$10 on photo apps for your phone.

Rob Hull has been teaching photography at SMU for 15 years and is the owner of Coppel based GreatPhotography®. He is an award winning Certified Professional Photographer (CPP) and Adobe Certified Expert (ACE). In 2008 Hull received the prestigious Professional Photographers of America’s Photographer of the Year – Silver recognition.

## THINK AND SPEAK UP: EMERGING LEADERS

This course begins with a review of the fundamental skills taught in the introductory version (7.5 hours) of *Think and Speak Up* (offered the past few summers and again in 2012) and then moves to more advanced topics. Students will improve their ability to organize their thoughts quickly while giving impromptu talks or presentations, discover how to write and prepare effective speeches and deliver them with confidence and ease, and utilize powerful story-telling and other “stage” techniques to more fully engage and impact audiences of all sizes. Students will also learn how to evaluate and critique others without fear, handle peer conflicts assertively and appropriately, and build “win-win” relationships in order to become more effective leaders, and perhaps even role models, in school and social settings.

Dr. Lisa Wang is the founder of *Think and Speak Up* and has helped thousands of students improve their confidence and academic performance. She holds a Ph.D. in Computational Chemistry but realized that lifetime success and leadership demands effective communication and interpersonal skills. Her work has been featured in the local media and also on CCTV, China Central Television.

### Extended Day and Supervised Lunch

Our extended day option is ideal for busy parents who need to bring their children a little earlier in the morning and/or leave them a little later in the afternoon. The extended day option offers supervised activities and can be combined with our “Lunch Bunch” for a full day of fun.

The morning extended day begins at 7:30 a.m. and ends at 9 a.m. Students must be registered for a 9 a.m. workshop and will be escorted to their classroom. The afternoon extended day begins at 4 p.m. and ends promptly at 5:30 p.m. Students must be registered for a workshop ending at 4 p.m. and will be escorted from their classroom to the extended day location.

For parents desiring to register for morning and afternoon sessions, a reduced fee is offered. In order to register for this option, students must be registered in consecutive sessions through the day, as well as the 12–1 p.m. supervised “Lunch Bunch.” Please bring a brown bag lunch each day. No refrigeration or heating of lunches is available.

For workshops that run all day from 9 a.m. to 4 p.m. (Pro Gaming, Pro 3D Animation, Fashion Sketching and Design, Sewing: Complete Beginner, Sewing Studio, and Studio Arts: Drawing and Painting), supervised “Lunch Bunch” is included in the cost of the workshop.

## ACADEMIC ENHANCEMENT WORKSHOPS

All of the Academic Enhancement Workshops (which fill the rest of this document) are offered through SMU’s Learning Therapy Center which resides on the Plano campus.

The Learning Therapy Center is a part of SMU’s Annette Caldwell Simmons School of Education and Human Development and is dedicated to the improvement of reading instruction for individuals who have dyslexia and related written-language disorders. In addition to offering these summer workshops, the Center administers a diagnostic facility for written-language disorders and two graduate programs that prepare specialists to work with dyslexic children and adults.

### MATH SKILLS

#### Math in the Real World

Come have fun with hands-on math skills using multiplication, geometry (perimeter, area, angles and symmetry), measurement, fractions, estimation and much more. Activities include shopping on a budget, balancing a checkbook, calculating sale discounts and estimating costs. Daily story problems to encourage logical thinking and use of “pointers” are also covered, such as key words to help students solve word problems. Grades 5–6 will cover these topics as well as metric conversions, decimals and designing a room with perimeter and area; the activities for this group will require multi-step math practices and more difficult logic problems. Enjoy math while discovering its relevance in today’s world!

#### Get Ready for Algebra 2

Since you may have spent the last year in Geometry, your algebra skills need to be refreshed so you’ll be ready for Algebra 2. This course will provide a diagnostic test of all Algebra I subjects and give the student an overview of the most missed areas. It also lays the foundation of what will be covered throughout Algebra 2 with simple explanations and examples.

#### What and Why Geometry

What do rules, theorems, points, lines, shapes, areas and volumes have in common? Geometry! In this course, you’ll learn how to make the dreaded “proof” easy. Students will sample problems from multiple topics as well as review the SAT expectations for geometry.

#### What and Why PreCalculus

Are you ready for the next level? Is Algebra a snap for you? Then this course in PreCalculus is the next step for you to learn about the fundamentals of angles, trigonometry, graphing and polynomials. With an introduction to these skills, you’ll be able to hit the ground running next year.

#### Get Ready for Calculus (Pre-AP Calculus AB and Pre-AP Calculus BC)

Be prepared for high school Calculus with this course about understanding limits, derivatives, integrals, fundamental theorems and the algebraic methods necessary to solve problems in each of these areas. An overview of this high school course will be provided along with specific strategies and skills needs to be successful next year. Bring a calculator.

## READING AND LITERATURE SKILLS

### Phonological Awareness

Young children learn to read and spell with greater ease when phonological awareness is developed through direct instruction. Lively interactive games and activities help children accelerate beginning reading skills or improve existing reading skills.

### Reading Fluency

The focus of this workshop is building readers who enjoy and understand what they read. Students practice basic word-attack skills, reading with fluency and comprehension exercises that promote smooth, accurate reading. An interactive notebook of reading fluency and comprehension activities is created for later use at home.

### Reading Adventures

Join this singular summer reading adventure designed to enhance reading, listening and comprehensive skills through participation in thematic reading presentations! An interactive setting focuses on selected literature and presents opportunities for reading practice that assure success. Students create a notebook highlighting their adventures.

### Reading Comprehension

While reading a novel related to a theme, students can develop proficiencies in reading comprehension. Age-appropriate strategies empower students to confidently approach reading material with improved skills for enjoying reading and acquiring information. Book is provided.

### Building a Powerful Vocabulary

A robust vocabulary can improve literacy skills as well as scores on standardized tests. In this class, students discover word origins, derivation and relationships to expand written and spoken vocabulary.

### Word Attack!/Morphological Awareness

Learn how to “attack” words so they can be read accurately and fluently, and then watch your comprehension increase! How you approach or “attack” an unknown or unfamiliar word determines the ease in which you will read the entire passage. Morphological awareness is a little bit of knowledge that can go a long way.

### Becoming a Critical Reader

As the quantity and complexity of reading increases in high school, students need reliable tools to quickly analyze, understand and remember what they read. This class provides guided instruction and practice in reading critically or “between the lines.” Students learn strategies to determine content, meaning and impact of different types of text.

## WRITING AND SPELLING SKILLS

### Handwriting: Introduction to Manuscript

This class introduces lower case letters and good writing habits in a fun learning atmosphere. Your student will practice fine motor skills and correct pencil grip and letter formation skills while participating in games, crafts and multisensory writing activities to make writing enjoyable.

### Handwriting: Introduction to Cursive

Get a jump on cursive handwriting before the school year begins. This class will introduce the basic procedures of writing lower case letters of the alphabet. Writing position, pencil grip and letter formation skills will be practiced while performing multisensory activities to gain ease and confidence in cursive handwriting.

### Spell Well!

Come learn the secrets of spelling bee champions! This fun, interactive workshop is designed to remove the mystery from spelling. Through games and activities, students learn strategies and secrets for spelling success.

### Art and Writing Adventure

Students learn to create pictures that tell a story and write words to paint a picture in this workshop using an art-and-literature based approach to writing that inspires creativity. Simple crayon resist art techniques and basic writing skills are presented.

### Young Poets

An appreciation for the beauty of language will be emphasized as young poets learn to apply tools and techniques of the trade to create their best writing in a variety of poetic forms. At the end of the week, students will take home a poet’s notebook and portfolio collection of beautifully written poems.

### Grammar Doctors

Learn how to smoothly operate through the world of grammar. In this hands-on workshop, students discover how to develop and analyze sentences, identify elements and understand content. Parts of speech, proper punctuation, capitalization, sentence variety and more are addressed and practiced. Students will enjoy learning how to dissect grammar!

### Powerful Writing

The mystery is taken out of writing as students learn techniques and formulas to create paragraphs, essays and reports. Guidance is given to assure writing with correct grammar, appropriate structure, as well as clear and concise expression. Confidence will improve as students implement a “plan of action” for a variety of writing assignments. Grades 3–6 focus on the creative aspect of writing in all areas. Grades 5–12 focus on essay writing. The students who take the 5–6 essay class (5–6e) should be proficient in creative writing.

For complete workshop schedule, including dates, costs and entering grade levels, please refer to our two-page guide entitled “SMU-in-Plano Summer 2012 Youth Program” which is available online at [smu.edu/summeryouth](http://smu.edu/summeryouth)



## SKILLS FOR SCHOOL SUCCESS

### Mind Your Manners

Does your young lady or gentleman need a manners brush up? Commonplace courtesies often determine success in school and life. This course will introduce the basics of etiquette in fun, interactive settings. Topics will include dining manners, conversation and introduction skills, telephone behavior, personal safety and correspondence (thank you notes).

### Social Skills for School Success

Success in school requires both academic and social skills development. Using fun interactive games balanced with direct instruction, this course prepares students for the people skills needed at each grade level. Students learn the importance of listening, classroom etiquette, managing peer relations, developing friendships, approaching teachers and self-advocacy in a nurturing and risk-free setting.

### Smart Start! Getting Ready for School

Is your student ready for the upcoming school year? In this class, students preview expectations for the new school year and review concepts from the prior year. Veteran educators will use both curriculum-specific and organizational strategies that give students a smart start!

### Work Smart for the Learning Different Child

Many very bright, curious children struggle in school due to a learning difference called dyslexia. The biggest problem most students with dyslexia face is not the learning difference itself, but the way they cope with it. Work Smart stimulates students to think about dyslexia and its implications with a positive perspective. Issues such as self-esteem and self-advocacy are covered by specially trained professionals to help students recognize their talents as well as gain insight into the difficulties that can occur both in and out of the classroom.

### Study Skills Strategies

Students develop strategies in organization, time management, consistent and accurate homework completion, text reading, test preparation, test taking, paper writing and project development. Participants conclude the class with an increased awareness of personal learning style and memory "tricks" to fit that style. Includes student study skills notebook.

### Discovering Personality Type 🐾

Teenagers are a unique combination of interests, strengths and yes, things we wish they could do a little better. With this class, your child will gain a deeper understanding of personality type and how this understanding helps make relationships and learning easier. Students will discover their own specific personality type, why personality types are important, and how they can apply this knowledge to working with others, career choices and study habits.



## TEST PREP AND COLLEGE PLANNING

### Writing for the SAT

Learn to maximize your score on the new writing section of the SAT. Included is a review of essential grammar concepts and an effective organizational strategy that enables students to make better decisions on the multiple choice section. Students also discover how to use sophisticated vocabulary, examples and details to impress readers who score the essay test.

### SAT Preparation: Verbal and Math

Practice makes perfect when it comes to the SAT! In this course students will practice concepts tested on the exam and proven test-taking techniques for the SAT. A basic review of the verbal and math skills covered on the SAT and recommended study techniques will be included through guided practice.

### Study Skills for College Success 🐾

This course will help high school students develop theoretical background and application strategies to help them understand and master the effective thinking and learning skills needed to succeed in college. Through test-taking tips, goal-setting ideas, task management skills and decision-making guidelines, this workshop provides practice in the essential guidelines and strategies to meet the rigorous demands of higher education and life beyond.

### Quick Start to College Applications

This workshop is designed to help rising seniors prepare their college applications. Each student will complete a polished resume, the common application for private colleges, the Apply Texas application for Texas public colleges and an essay. Students will be ready to apply to the colleges of their choice in the early fall.

## THINK AND SPEAK UP: INTRODUCTION

Learn effective communication and leadership skills in a positive, supporting and fun environment. Students build self-confidence and positive self-image as they give oral presentations, provide positive feedback to peers, and learn to accept criticism objectively. This workshop is perfect for any student who wants to master the arts of speaking, listening, thinking and leading! A supplementary course workbook is available from the instructor for \$25. *Think and Speak Up: Emerging Leaders* is a more in-depth version and is offered in June (see top of page 6 for details).

Dr. Lisa Wang is the founder of *Think and Speak Up* and has helped thousands of students improve their confidence and academic performance. She holds a Ph.D. in Computational Chemistry but realized that lifetime success and leadership demands effective communication and interpersonal skills. Her work has been featured in the local media and also on CCTV, China Central Television.

## CONTACT US

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