



ELITE STEMM

 **Recreation**

 **Creative**

 **Fun**

 **Education**



About us:



Go Northlake STEMM Academy LLC (ELITE STEMM) the #1 choice for After-School in Texas!

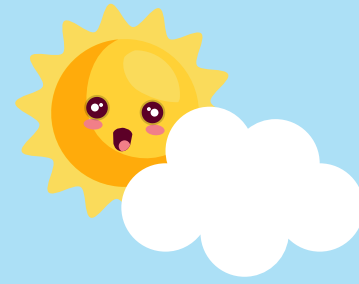
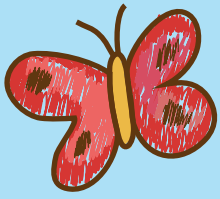
Welcome to ELITE STEMM: After-School, Enrichment, Tutoring and Mentoring services.

ELITE STEMM provides an on-site, all-inclusive, and customizable program designed for your school! Each day after school, students can participate in a variety of activities and curriculum for their learning, enrichment, and enjoyment!

ELITE STEMM provides your school with an exceptional, safe, and convenient after-school program that fulfills the educational, creative, and recreational interests of any child!



ELITE STEMM is a turnkey after-school program!



- Flexible Program Arrangements

- One-on-One Services

- Excellent Staff to Student Ratios

- Program Coordination

- Communications

- Enrichment Classes

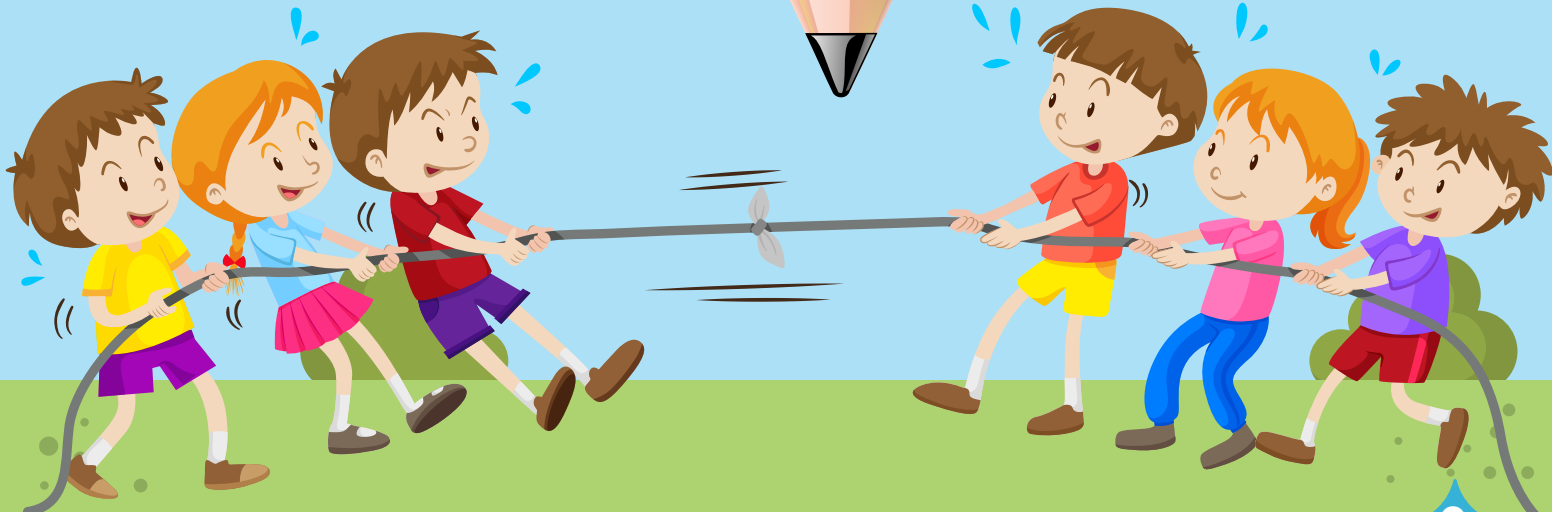
- Homework Assistance

- Organized & Themed Activities

- Registration

- Curriculum

And More! We handle everything!
Materials & Supplies Professional & Caring Staff



Program Descriptions:

After-School

Organized curriculum and theme-based play where students can interact with friends in a fun and stimulating environment. A variety of engaging activities are provided for a balance of creative, recreational, and educational fun. Games, arts-n-crafts, scavenger hunts, science experiments, LEGO® building, and much more!:

Enrichment

Student enrichment and learning experiences to extend the curriculum or enrich student development through various activities (during various out of school times and/or during the day) to include activity sessions, student internships, demonstrations, and other methods to increase students' academic achievement, behavior, knowledge, and skill. Following are specific classes we offer:

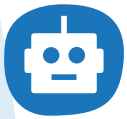
Tutoring

Student tutorial services to provide additional academic instruction in reading, math, English/ language arts, social studies, and science that is designed to increase the progress and academic achievement of students, including ELL and Special Education students. Services may include academic assistance such as remediation, acceleration, and other educational interventions.

Mentoring

Student mentoring. The goal of the mentoring program is to promote prosocial behavior and efficacy in youth. The vendor will provide services to each student in the program for one year. The vendor will recruit and train the mentor, as well as match them with the mentee. The vendor will operate in a spirit of collaboration with the campus to carry out the mentoring activities with fidelity.





Robotics

This class takes students on a LEGO® adventure with theme-based curriculum that provides interactive fun and hands-on learning! Explore the latest robotic technology designed for children building vehicles, machines, animals, creatures and more! Develop technology and engineering skills using creativity, problem-solving and teamwork skills!



Brain Games

The mind has no limits in this class! Learn how to play classical games, such as chess and bridge, solve brain teasers, and become science "myth-busters". This class will enhance math and thinking skills, nurture the inquisitive mind, and foster positive competition among friends!



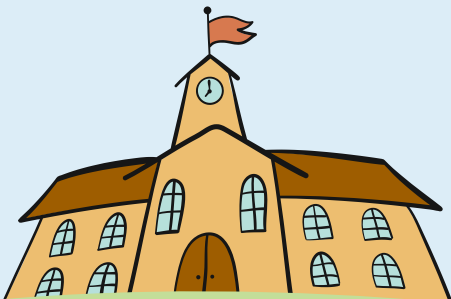
Science

Calling all Jr. Scientists, get ready to learn the fundamentals of science! Discover our amazing world with research, exciting experiments, radical reactions, and fun projects. We'll cover everything in our ELITE STEMM care Lab from living creatures to weather to "everyday" chemistry and crazy concoctions! Lessons may also include activities to continue the fun and learning at home.



Chess

Students will learn how to play the game of chess from basic to advanced skills in a fun setting encompassing the history and cultural heritage of this classical and complex game! Learn a variety of strategies, pawn structure, piece value system, chess vocabulary, and more while improving cognitive skills in the areas of concentration, memory, and problem-solving skills.





Computer

Learn computer skills with exciting theme-based projects from basic to advanced curriculum for each child's level! Keyboarding, word processing, desktop publishing skills and more! This class also focuses on digital art and media techniques, including photo transformation, animation and movie creation!



Creative Writing

Students will have the opportunity to improve writing skills and express themselves in an imaginative way! The basic building blocks of creative writing are introduced through the creation of student's original pieces. Poems, short stories, plays, sports writing, and more!



Hip Hop

Is your child a future Cheerleader, Pom Squad Dancer, or Broadway Star? Give your child a head start with hip hop classes for learning choreographed routines, stage presence, coordination, dance skills, and more! Dancers are encouraged to be themselves in this high-energy, fun, and unique team environment!



Cooking

HOW TO have fun in the kitchen! Young chefs will have the opportunity to learn how to cook and create recipes in a fun way. Proper cooking vocabulary and the use of utensils will be introduced along with the basics of nutrition, kitchen safety and hands-on culinary techniques!



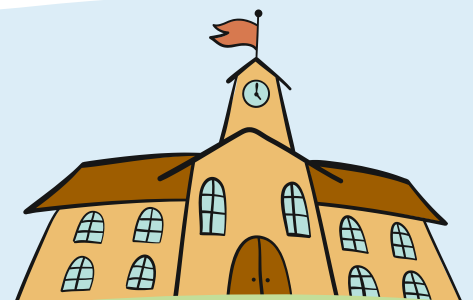
Fitness

Being healthy is a way of life! Students will learn the importance of health and nutrition through super fun individual and group activities that get the body moving! Not only that, students will learn how to make "no bake" healthy snacks.



Music

Discover that music is all around - from singing to everyday sounds! Learn about theory, genres, composers and instruments. A traditional music class that covers it all from reading music and recognizing terms, to keeping rhythm, discovering musical sounds and making our very own instruments!





Photography

Explore the fundamentals of photography, such as natural lighting, shutter speed settings, depth of field, lens components, equipment knowledge, famous photographers and more! Students will have fun learning to use their digital camera to the fullest potential, apply digital art techniques to enhance pictures, and create a photo book to showcase their work!



Sports

Our multi-sport class will keep students at the top of their game! We will teach a range of sports including baseball, tennis, floor hockey, flag football, basketball and soccer. To be a good athlete and show excellent sportsmanship, you've also got to nourish the body, feed the soul and sharpen your skills!



And a lot More!

ELITE STEMM can fulfill any of your After-School needs with our wide variety of programs! Contact us for more options and bring to your school! ELITE STEMM can fulfill any of your After-School needs with our wide variety of programs! Contact us for more options and bring to your school!



One-on-One

Team up with an NLKidsCare instructor for individual teaching on a subject of need or interest! Students have the opportunity to improve or enhance their academic abilities or learn to play a musical instrument. It provides the opportunity for focused learning with professional instructors. Tutoring, foreign language, guitar, or piano lessons! Photography Explore the fundamentals of photography, such as natural lighting, shutter speed settings, depth of field, lens components, equipment knowledge, famous photographers and more! Students will have fun learning to use their digital camera to the fullest potential, apply digital art techniques to enhance pictures, and create a photo book to showcase their work! Robotics This class takes students on a LEGO® adventure with theme-based curriculum that provides interactive fun and hands-on learning!



Sewing

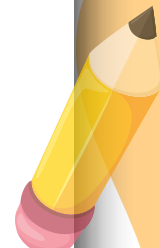

This class is SEW FUN! Students will acquire a range of skills from basic stitching to how to use a pattern to designing their own projects on a sewing machine! Creative, math and kinesthetic techniques are also developed. Complete your own design from creative start to tangible finish!





Our Staff:

Northlake STEM Academy minimum criteria for staff selection is straight forward - minimum college degree, teaching certification, minimum of 2 years of teaching experience in ES/MS/HS schools and finally no past criminal history. Service delivery models might change throughout the course of treatment depending on the needs of the student. For example, a model might start off by providing direct one-on-one services to teach a skill, but then switch to a consultative/ collaborative role to help a student generalize his or her skills within the classroom environment.



Children understand that TECHNOLOGY IS NOT A MAGIC

ROBBO GRADUAL EDUCATIONAL APPROACH: 7 YEARS OF CONTINUOUS LEARNING FOR A CHILD

3 AGE CATEGORIES:

5-7 YEARS, 8-10 YEARS, 11-15+ YEARS

- PROGRAMMING
- CIRCUITRY AND MICROELECTRONICS
- 3D MODELING
- INVENTION

PLAY

Algorithmics,
RobboJunior,
circuitries
(Snapcircuits)
30 pen,
learning
to read

LEARN

RobboJR, Scratch;
Ardublock
Arduino/DE;
Appinventor;
Laboratory Robot
kit; Electronic kit
(including
analogue); 30;
Mechanics

CREATE

Develop an
electronic circuit.
Create an expansion
board; create robots:
wheeled, tracked,
walking; beam
robots; build a smart
home, IoT develop
games on the Unity
engine

INVEST

I know what to do
and I understand
how to do it. I
develop my own
projects.
participate in
scientific and
technical
competitions

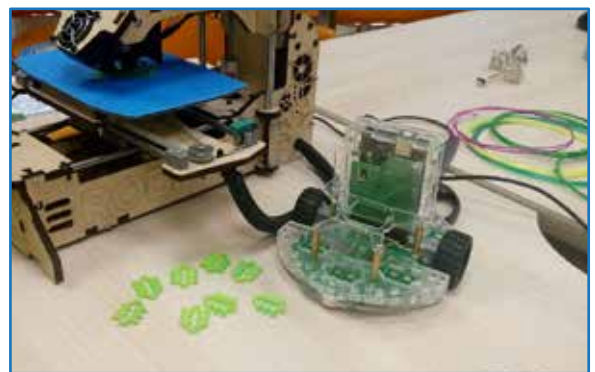
START A BUSINESS

I can calculate the
effectiveness of
my project, select
a team and open
my startup



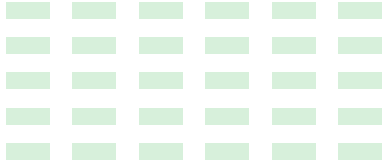

GROW UP

I can attract
funding to scale
my business, find
international
partners and start
exporting

**TEACHING INNOVATIVE ENGINEERS
able to make a ready-to-use device-
THE MOST IMPORTANT TREND NOWADAYS**



ROBBO CLUB EDUCATION PROGRAM

 5-7 Years	GAMING ROBOTICS 5-6 Y.O. 60 LESSONS BY 40 MINS	GAMING ROBOTICS 6-7 Y.O. 60 LESSONS BY 45 MINS	VARIABLE LEARNING BLOCKS. With / without additional equipment. One training block duration is 6 to 20 lessons. Project/team activity.	
 8-10 Years	BASIC ROBOTICS FOR 8-10 Y.O. - 1 32 LESSONS BY 90 MINS	BASIC ROBOTICS FOR 8-10 Y.O. - 2 32 LESSONS BY 90 MINS	BASIC ROBOTICS FOR 8-10 Y.O.-3 32 LESSONS BY 90 MINS	
 11-15 Years	BASIC ROBOTICS FOR 1-15 Y.O. - 1 32 LESSONS BY 90 MINS	BASIC ROBOTICS FOR 1-15 Y.O. - 2 32 LESSONS BY 90 MINS	BASIC ROBOTICS FOR 1-15 Y.O. - 3 32 LESSONS BY 90 MINS	BASIC ROBOTICS FOR 1-15 Y.O. - 1 32 LESSONS BY 90 MINS
	1 ST YEAR	2 ND YEAR	3 RD YEAR	

ROBBO EQUIPMENT FOR THE PROPER STUDIES

ROBBO Robot Kit

A moving robot with five simple magnetic-mount sensors and led light, based on Arduino microcontroller

Children can copy complex technologies by programming the robot, changing and combining sensors

For children 5 to 15 years old; preparation for the lesson in less than one minute



Robbo Lab

Simple robot based on Arduino microcontroller that helps you to enter the world of technology

This robot cannot move by itself, but brings a deeper understanding of light, sound, temperature, eclectic resistance, etc.

For children 5 to 15 years old



ROBBO Circuitry

A set of 100 electronic components connected via a solderless breadboard to Arduino microcontroller

Suitable for 40+ training projects for teaching the basics of electronics, including Smart Home within a <Processing course part

For children 5 to 15 years old





ELITE STEMM

Contact Us



Address-

Northlake STEMM Academy LLC
P.O. Box 5173 Katy, TX 77491 USA



Email Address-

contact@elitestemm.com



Phone Number-

Corporate office: 832-913-6652
Project Director Cell: 713 539 5600

