

CODING & TECHNOLOGY

BUILDING FUTURE THINKERS. SOLVING REAL-WORLD PROBLEMS.



SEQUENCING



LOOPS



NESTED LOOPS



FUNCTIONS



DEBUGGING



AND MORE!



TIME:

8:30 – 9:30 AM



LOCATION:

**Sugar Land Hua Xia
Chinese School**



PERFECT FOR

**YOUNG INNOVATORS
WHO LOVE TO CODE!**

CODING & TECHNOLOGY 1 (CT1) FOR 2ND GRADERS

An exciting introduction to programming designed just for young learners!

- ✓ Learn the basics of programming through fun and engaging activities
- ✓ Opportunities to solve **logic-based puzzles**
- ✓ Apply coding skills to solve **math problems**
- ✓ Build confidence with basic **block coding**



Develop critical thinking, problem-solving, and creativity one block at a time!

CODING & TECHNOLOGY 2 (CT2) FOR ADVANCED CODERS

Take your coding skills to the next level with collaborative challenges!

- ✓ Advanced concepts including loops, nested loops, functions, variables, and more
- ✓ **Dual Coding:** Work in pairs to program solutions simultaneously
- ✓ Solve increasingly challenging levels and unlock new stages
- ✓ Strengthen **teamwork, communication, and computational thinking**

DUAL CODING



Two minds. One mission.
Code together. Win together.
Level up together!

TAUGHT BY THE 2 TOP STEM TEACHERS IN THE NATION!



DANIEL DOREMUS

- ★ National STEM Hall of Fame Houston Astros and Honeywell
- ★ Past Owner Operator SAT/ACT Prep School
- ★ CTE Department Head Clements High School
- ★ Co-Founder STEMbrick Academy



RICHARD EMBRICK

- ★ 4 Time National STEM Teacher of the Year
- ★ STEM Hall of Fame Houston Astros
- ★ Co-Founder STEMbrick Academy
- ★ 12 State STEM Teaching Award Winner

EXPERT GUIDANCE. PROVEN RESULTS. FUTURE-READY SKILLS.

SPACES ARE LIMITED!
RESERVE YOUR SPOT TODAY!

PREPARE YOUR CHILD FOR
A FUTURE OF ENDLESS
POSSIBILITIES!



LEARN. CODE. CREATE.
THE FUTURE STARTS HERE.





CODING & TECHNOLOGY

BUILDING FUTURE THINKERS. SOLVING REAL-WORLD PROBLEMS.



LINE CODING



ALGORITHMS



FUNCTIONS



DEBUGGING



DATA & FILES



WEB DEV



AI & IOT



AND MORE!



TIME:

9:30 – 11:00 AM



LOCATION:

**Sugar Land Hua Xia
Chinese School**



PERFECT FOR

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WHO LOVE TO CODE!**

CODING & TECHNOLOGY 3 (CT3) FOR 4TH GRADERS

Take your coding skills to the next level with real-world line coding in:



Python



JavaScript



HTML



CSS

- ✓ Learn line coding through Python, JavaScript, HTML, and CSS
- ✓ Design and build exciting games and apps
- ✓ Create and publish your own websites
- ✓ Use algorithms, loops, nested loops, functions, conditionals, and more
- ✓ Debug like a pro and solve complex coding challenges



Code. Create. Innovate.
Build the future with every line!

CODING & TECHNOLOGY 4 (CT4) FOR ADVANCED TECHNOLOGISTS

Add exciting elements to your line coding and bring your ideas to life with cutting-edge tech!



Machine Learning



Drones &
Autonomous Tech



Holograms &
3D Visualizations



Code IoT Devices
(Internet of Things)



Photo Editing



Electronics &
Circuit Coding



Innovate. Integrate. Elevate.
Turn ideas into intelligent creations!

TAUGHT BY THE 2 TOP STEM TEACHERS IN THE NATION!



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THE FUTURE STARTS HERE.

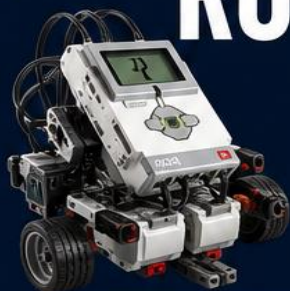




ROBOTICS & AUTOMATION

DESIGN. BUILD. PROGRAM. AUTOMATE. INNOVATE.

Tomorrow's Inventors. Today.



MECHANISMS



PROGRAMMING



SENSORS & MOTORS



AUTOMATION



CHALLENGES & COMPETITIONS



TIME:

11:00 AM – 1:00 PM



LOCATION:

Sugar Land Hua Xia Chinese School



FOR FUTURE ENGINEERS, PROBLEM SOLVERS, AND INNOVATORS!

IN ROBOTICS & AUTOMATION YOU WILL:

- ✓ Build real-world robots using industry-leading platforms and bring your ideas to life!
- ✓ Learn how to build powerful mechanisms such as bevels, simple gears, leadscrews, cam and followers, belt drives, and more!
- ✓ Create algorithms and conditionals to make robots think, react, and solve problems.
- ✓ Explore and master sensors & motors including limit switches, bumper switches, gyros, motors, servos, LED's, sound blocks, and more!
- ✓ Design, iterate, and display mastery of robotic skills by completing exciting challenges.
- ✓ Showcase your builds in a grand end-of-semester Robot Expo!



Think Like an Engineer.
Build Like a Creator. Lead Like an Innovator.
This is more than robotics—this is your future.

POWERED BY TOP ROBOTICS PLATFORMS!



LEGO® EV3



Meccano Mechanoids



LEGO® Spike Prime



Hummingbird Robotics



VEX® Robotics



Sphero® Robots



Drones



VEX IQ



EXPLORE. ENGINEER. EXCEL.

Every circuit. Every gear. Every line of code.
You're building skills that power the future.



REAL ROBOTS. REAL CHALLENGES. REAL IMPACT.

TAUGHT BY 2 NATIONAL STEM LEGENDS!



DANIEL DOREMUS

A VISIONARY LEADER IN STEM EDUCATION

- ★ National STEM Hall of Fame – Houston Astros & Honeywell
- ★ Past Owner/Operator – SAT/ACT Prep School
- ★ CTE Department Head – Clements High School
- ★ Co-Founder – STEMbrick Academy

Passionate. Proven. Transforming students into innovative leaders and problem solvers.



RICHARD EMBRICK

AN AWARD-WINNING STEM ICON

- ★ 4-Time National STEM Teacher of the Year
- ★ STEM Hall of Fame – Houston Astros
- ★ Co-Founder – STEMbrick Academy
- ★ 12 State STEM Teaching Award Winner

Inspiring brilliance. Building champions. Creating the next generation of innovators.

EXPERT MENTORSHIP. ELITE INSTRUCTION. LIMITLESS POSSIBILITIES.

SPACES ARE LIMITED!
RESERVE YOUR SPOT TODAY!



BUILD SKILLS.
BUILD CONFIDENCE.
BUILD THE FUTURE.



ROBOTICS ISN'T JUST
WHAT WE TEACH.
IT'S WHAT WE LIVE.

