家长们往往最头疼孩子不自觉地花大把时间玩儿电脑游戏，如果让您的孩子在单纯的玩耍和学习制作中有所选择呢？华夏总校自暑期精心为孩子们打造了三款适合不同年龄的孩子的计算机、游戏制作、机器人方面的课程，深受孩子们的喜爱，有的孩子仅仅学习两周，就通过app功能，编辑出属于自己的小游戏，寓教于游戏编辑设计之中学习游戏设计制作背后的科技知识、设计理念和功能。

春季学期将我们将继续推出这一系列适合多年龄段孩子的有趣课程。

华夏中文学校小游戏班

Draw cool pictures and designs with the Artist!

课程介绍

招生对象
1-3年级

★★★→Level 1 -----To complete. Concepts include digital citizenship, sequencing, binary, loops, events, and data.

★★★→Level 2-----To complete. Concepts include sequencing, events, loops, conditionals, binary, and digital citizenship.

★★★→Level 3-----To complete. Concepts include sprites, digital citizenship, impacts of computing, nested loops, and functions.

2021春季学期 2021 Spring

周日 Sunday 1-2pm 周三 Wed 4-5pm

Box Island

- Take a trip on Box Island and collect all the stars! Box Island is a beautiful mobile coding game that takes kids on an exciting adventure on the charming island.

Let's use code to join Anna and Elsa as they explore the magic and beauty of ice. You will create snowflakes and patterns as you ice-skate and make a winter wonderland that you can then share with your friends!

Code with Anna and Elsa

Artist

Bring some of your favorite Cartoon Network characters to life by coding your own animation. Add more characters and make them jump, fly, and talk.

Use drag-and-drop programming to make your own Flappy Bird game, and customize it to look different (Flappy Shark, Flappy Santa, whatever).

Make a Flappy game

VEX机器人课

华夏总校的VEX机器人课始开于2016年春季，刘淦首任教练。VEX机器人大赛，是一项旨在通过推广教育型机器人，要求参赛队伍自行设计制作机器人并进行编程自动遥控的有技术含量又有魅力的项目。

左图是2017年华夏机器人队第一次参加地区赛的战车

左上图是2018年赛季中，华夏机器人队的选手在比赛进行中。VEX机器人比赛讲究的不仅是机器人设计的技巧操控机器人的技能，更是一个锻炼赛手们的合作精神，仅仅1分钟的赛时，要两个队友先后配合。多轮的比赛中还要和不期而遇的其他队合作，即会是对手又会是帮手。

左下图2019年新队伍在王淑杰老师和助理小教练Evan Gao的带领下于年初第一次参加比赛

2019 年初的华夏机器人队在赛季比赛中，华夏机器人战队的番号是永远的 45959A，但我们又有了新的队伍。

世界机器人大赛每年四月公布主题，预备参赛的队伍根据主题设计自己的机器人，比赛从九月拉开帷幕，一场一级地从地区到州里到全美，最后到世界级。

华夏机器人队伍在过去的比赛中未必走得很远，但孩子们投入了学习，在比赛中增长了见识。有的同学由此深爱上了这个富有挑战的有创造力的项目。

春季 **VEX** 机器人课欢迎老同学回来欢迎新同学加入，因为疫情原因， **2020-2021** 的赛季无论是否会照常举行，我们无论是否能照常参赛，但学习仍可继续！

一组暑期学生在家上网课的情景

华夏中文学校 机器人课程介绍

课程简介

- Vex 机器人通过构建，游戏和竞赛达到培养学生各种兴趣目的。让学生有机会与同学一起听，分享和学习 进行具有实际应用程序的动手活动。

通过zoom演示，学生跟老师一步一步搭建机器人，熟悉材料的用法

学生自己设计机器人，组装搭建，老师指导

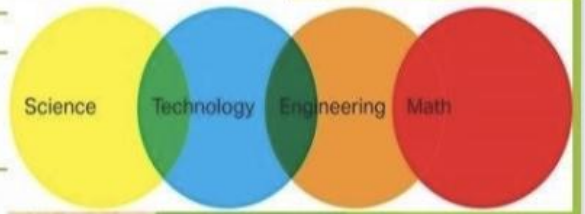
学习机器人编程语言，给自己的机器人编程，实现无人操作机器人

招生对象

- 8-14岁学生

所需材料

- 我们使用的是VEXROBOTICS 网站提供的机器人材料



HuaXia STEM Program

2021 Spring
Saturday

Hua Xia STEM Program
(Technology/Engineering)

Coach: Richard Embrick
Coach: Daniel Doremus

Meet your Instructors/Coaches

Daniel Doremus

Former Owner/Operator

Hunnington Learning Center

About Coach Doremus

Daniel Doremus has BS Degree in Applied Mathematical Sciences from Texas A&M University. He has taught Math from grades 6th through Pre-Calculas and SAT/ACT preparation courses for over 25 years for over in Bryan ISD, Alief ISD as well as Fort Bend ISD. He is currently teaching Project Lead the Way: Gateway to Technology project-based program. This course emphasizes the Design Process in order to solve real world problems using Industry standard programs such as Autodesk Inventor Professional and RobotC.

Meet your Instructors/Coaches

Richard Embrick

Chairperson

NSTA Shell Teaching Award Panel

About Richard:

Richard Embrick has taught Science and Engineering for over a decade working with non-traditional STEM students. His work has led to 5 State Teaching Awards and a National Award with Shell and NSTA. His students are recognized Nationally having won several competitions at every level. Embrick is the current chairperson to the NSTA Shell Teaching Award Panel and works with FBISD Superintendent as a member and past chairperson (2017-19) in the Teacher Forum Leadership Panel. He teaches PLTW Engineering, and Robotics classes at David Crockett Middle School and is the district STEM Facilitator overseeing 14 campuses in Richmond, TX.

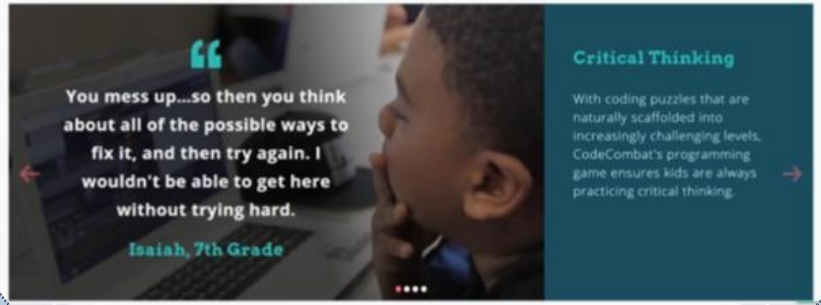
Course	Class Time	Requirement
Python CS/GD (New)	8:30-10:00	3rd Grade & Up
3D Printing & Design	10:00-11:00	3rd – 5th Grade
Robotics (New)	11:00-12:30	3nd Grade & Up
Python CS/GD (Alumni)	1:30-3:00	
Robotics (Alumni)	3:00-4:30	
3D Printing & Design	4:30-5:30	6th – 9th Grade

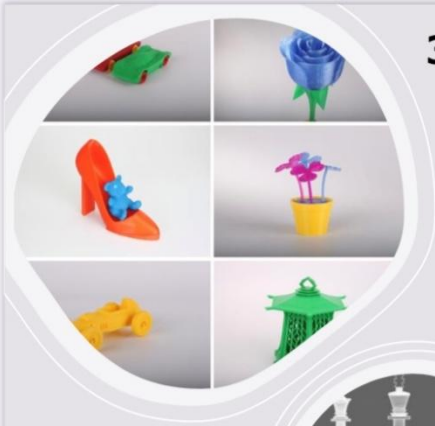
OZARIA

Ozaria is a computer science program, an adventure game, and a fantasy story where students master the lost magic of coding to save their world.

* Students who enroll in this course have access to the School version of this program. The individual option does not offer the full robust version with the Computer Science standards set forth by the state.

Code Combat





3D PRINTING & DESIGN

New enrollment course 1 10:00-11:00
Course 2 4:30-5:300

OnShape: An Online Autocade Program for creating 3-D Printing files

Onshape is the complete all-in-one product development platform.

Students will learn how to render **Part files** with the following tools:

Line, rectangle, circle, arch, polygon, local points, embed text and so much more.

Robotics 3rd – 9th Grade

New enrollment course 11:00-12:30

Alumni course 3:00-4:30

Code in Block and in Python

Sample Challenge Badges