

SDHXCS Enrichment Classes (才艺课)

Subject (科目): Please select one of the categories	<input type="checkbox"/> Art <input type="checkbox"/> Music <input type="checkbox"/> Sports <input type="checkbox"/> Math <input type="checkbox"/> Chess <input checked="" type="checkbox"/> Computer Science		
Course Name (课程名称):	Media Computing with Python		
Teacher Name (教师姓名)	The classes will be taught by teams from CS4FUN led by Dr. Paul Cao	Phone	440-320-2818
		email	cs4fun.sd@gmail.com
Teacher's background and brief (教师及其简介):	Dr. Paul Cao, the principal instructor at CS4FUN, teaches computer science at UC San Diego. He has more than 12 years of teaching experience in computer science programs at liberal arts colleges and research institutions. He and his CS4FUN team are committed to unlocking students' potential in coding through formal computer science training, which includes developing computational thinking in a structured and fun-filled environment, and building a solid foundation in practical coding skills with Python.		
Course brief and Description (课程简述):	This class is an introductory programming class designed for 6th – 8th grade students. It will use image manipulation in Python to inspire students in computational thinking and improve their problem-solving skills. The objective is to be able to produce a fairly advanced and functional program within a 30-week period. Students need to bring their own laptops (pc or mac)		
Course Objectives (课程目标):	<ol style="list-style-type: none"> 1. Start from scratch and write a functional code in Python. 2. Be able to understand variables and basic flow controls (conditional statements and loops). 3. Can design basic algorithms involving fundamental array concepts and nested loops. 4. Be able to implement methods that accept parameters and return a value. 5. Familiar with a realistic coding environment. 		
Pre-requisite/Student Ages (先决要求/学生年龄要求):	For both classes, entering 6 th , 7 th and 8 th grade in fall 2018.		
Student Evaluation /			

Presentation (评分方法 (演出、比赛、展示等)):	The evaluations will be based on regular homework assignments and final projects.		
Maximum Number of Students to be Enrolled (最多招生人数限制):	No more than 15 students for each class.		
Course Fee (报名费 / 学费):	Registration & material fee	550 for the entire academic year	Special course fee