



# SLCA SYLLABUS 2018-2019

## COMPUTER PROGRAMMING

**Mission Statement:** SouthLake Christian Academy exists for the sake of God's glory and mission; proclaiming the gospel and discipling the whole person in all aspects of God's reality.

### **Course Description:**

Introduction to Computer Programming is a sampling of computer programming languages. Languages will include Python (an object-oriented programming language). A history of programming will also be included. Students will discover which languages are best suited for certain types of projects and become comfortable with the concepts basic to all programming languages. Team programming and load balancing module development will be included.

### **Course Objectives:**

Computer programming class introduces:

- the history of computer programming and future trends
- programming structure
- teamwork of programmers
- basic programming
- how programming is imbedded in productivity software and everyday life

**Required Text:** None

**Technology:** Students will use a Windows environment, internet sources, open-source software, and other software packages.

### **Evaluation:**

The course will be evaluated as follows:

- Classwork will make up 10% of the grade and will be scored based on completion of assigned task. For example: Student electronic journals will receive full credit if the journal is typed in the correct format. Refer to the Parent/Student Handbook for the SouthLake Christian Academy Homework Policy.
- Tests (Major projects) will make up 70% of the grade. Projects could take anywhere from one to four weeks to complete. Each nine weeks should include three to five test grades.
- Quizzes will make up 20% of the grade. Quizzes will be administered after sufficient classroom practice to evaluate mastery of the underlying skills necessary to complete our large projects.
- No extra credit will be offered per school policy.
- This course does not require a semester exam.

### **Classroom expectations:**

- Follow all rules and procedures listed in the SouthLake handbook.
- Respect your teacher and other classmates. No talking while the teacher or another student is talking.
- Be in the classroom when the bell rings. Tardies will be tracked by the front office.
- For technical reasons, no food, gum, candy or drink of any kind, **including water**, will be allowed in the computer lab.
- Be prepared for class and sit in assigned seat.
- Students will be allowed to alter the equipment only so far as is necessary under the instructor's supervision.
- Students will not vandalize machinery; this includes software, operating systems, and domain servers. ☺
- Students will not alter any settings without instructor's consent.
- Students will only open programs and files as directed by the instructor.
- Students should stay at their workstation and not infringe on another student's station. Students will not be allowed to disconnect equipment from the server or destroy any other student's files.
- Students must have a signed Parent Permission Form (Acceptable Use Policy) on file before being allowed use of the workstation or internet.

**Required supplies:** None