Syllabus : *Coding 4 Kids* 2024-2025

Mondays 1:00pm - Library

Week	Description
1	In Class: Introductions, basic fundamentals of touch typing, Beginning keyboard types(QWERTY vs Dvorak) and beginning skills. Class Overview & Safety principals. Learn RSI (Repetitive Strain I.). Fun-(Example) coding exercise 1 & 2 & 3. Blindfold Robotic Challenge. Homework: Read/review week1.pdf, do exercises at home & Practice home keys
2	In Class: Review safety principals & skills. Teach proper posture & technique of touch typing. Learn our "Number One Rule". Begin teaching about I.D.E. Integrated Development Environment. In Class Exercises (Focus: Primary fingers) Homework: Review Class Exercises
3	In Class: Review proper posture & technique and Number 1 rule. Overview our On_Line Resource {Pass Out Login Credentials}– Typing Jungle (with Lesson Plans); Each lesson is 1 -2 minutes. Begin lessons. Homework: Lessons 1 – 10 (Beginning Home Row Keys)
4	In Class: Review with class questions. Define a Computer's CPU, Algorithm, plus… Homework: Lessons 11 – 23(Home Row easy typing test)
5	In Class: Review with class questions. Typing Test: "Fun Typing Test 1" Homework: Note: Some students will need more review while other students excel and I encourage going ahead. Top Row(Lessons 24 – 37)
6	In Class: Review with class questions. Typing Test "Fun Typing Test 2" Introduction to JavaScript. Review students performance. Homework: Note: Some students will need more review while other students excel and I encourage going ahead. Continued Top Row(Lessons 38 –52)
7	In Class: Review with class questions. Review students performance. Coding Segment (teach with building blocks) Homework: Note: Some students will need more review while other students excel and I encourage going ahead with the typing lessons. (Lessons 38 –52)
8	In Class: Review with class questions. Review students touch typing performance. Teach Flow Charts, expand knowledge about coding… Homework: Note: Some students will need more review while other students excel and I encourage going ahead. Continued Top Row(Lessons 53 –66)

Welcome Coding4Kids Students

Trinity is a great school, and we are glad you have selected our Coding4Kids class for your schedule. We have seen the many benefits of Technology help students to succeed. **Learning builds confidence!**

Instructor: Coach Arthur Alton brings 30+ years of both Software Engineering experience and church youth leadership. Leading Children's Church, Missions trips, VBS, Summer Camps, soccer, and more. **He has a passion to encourage our next generation of leaders** and Trinity technology instructor since 2017.

Our class meets Mondays 12:00 in the Library. Please bring your notebook computer to every class. Please note: a Chromebook, MS Surface, or iPad will NOT work, because these O.S. do not support a "File Storage Structure"; (Please contact me for exceptions). Touch typing is a skill your student will use for the rest of their school and career. Coding fundamentals increase critical thinking.

Many students have traveled this road before you and are skilled with touch typing, technology, & coding. **<u>My goal is to spark a love for technology</u>**.

Every class will have a short lecture & demonstration, hands on exercise(s), sometimes there will be downloads & fun Kahoot. Downloads available: https://www.alton4chess.com/trinity-coding4kids.html

Where to store your weekly Downloads:

<u>Windows users:</u> use {File Explorer}. Under(left side) "This PC" find "C:\" we will create a new directory called c:\Trinity , (then a subfolder) Coding4Kids . This directory c:\Trinity\Coding4Kids

Will be the location for each week(s) subfolder, week1, week2, week3, …

<u>Mac Users:</u> {Finder}, under Desktop , create new folder "Trinity" then a folder "Coding4Kids" , under this folder you will create week1, week2,…

If you have any questions, please email me at: Arthur@safecs.com
 (Please include your student's class name) There are 6 technology classes.