Miss Cait

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Advanced Computing Syllabus

A: 90-100

B: 80-89

C: 70-79

D: 60-69

F: Below 60

Assignments will fall within this timeline. Each unit will have cumulative exam which will be weighted more than daily assignments. Assignments will be posted online and with prior announcement. However, this outline is subject to change.

Week 1: Introductions, Classroom regulations

Week 2: Computer History/Basics

8/23-Quiz 1

Week 3: Engineering Design Challenges

Week 4-5: Microsoft Word/Google Docs

9/13-Project 1

Week 6-7: Citations, Bibliography, Research, Databases, Plagiarism

9/27-Project 4

Week 8-9: Microsoft PowerPoint/Google Slides

10/11-Project 5

Week 10-11: Microsoft Excel/Google Sheets

10/25-Project 6

Week 12: Basic block coding using Scratch, Tynker

11/1-Quiz 7

Week 13: Advanced block coding using Sphero, Lego

11/8-Quiz 8

Week 14: Digital Art, Adobe Photoshop, Canva

11/15-Quiz 9

Week 15-16: Video Creation/editing

12/6-Project 10

Week 17-18: Web Design using Weebly, WordPress

12/19-Project 11

Week 19-20: App Design using MIT App Inventor

1/17-Project 12

Week 21-22: Digital music

1/31-Project 13

Week 23-24: 3D printing with Inventor, TinkerCAD, Cura

2/14-Project 14

Week 25-26: Finance, Accounting, Taxes, CRM

2/28-Quiz 15

Week 27-32: Intro to Coding

3/6-Quiz 16 (Python Basics, Functions, Variables)

3/13-Quiz 17 (Lists, For-Loops)

3/19-Quiz 18 (Nested lists/loops)

3/27-Quiz 19 (If-else, While, Boolean, return, strings)

4/3-Quiz 20 (Algorithm design)

4/9-Project 21 (recursion)

Week 33-37: Final Project/Showcase

5/15-Project 22