APCSP Computer Science 2024-2025 Semester 1

| [◄ July](#July_2021) | **August 2024** | [September ►](#September_2021" \o "Jump to September) |
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| **Sun** | **Mon** | **Tue** | **Wed** | **Thu** | **Fri** | **Sat** |
| 5/9/24Draft based on 23-24 Need to check PRTEST DATEUPDATE IN CODE.ORG for each lesson.  | 29District Prof. Learning Day | 30District Prof. Learning Day | 31Teacher Workday | 1Prof. Learning Day | 2Prof. Learning Day | 3 |
| 4 | 5Prof. Learning Day | 6Prof. Learning Day | 7Teacher planning day | 8**First Day of School****Unit 0 – Introduction to CTE****-procedure/expt.** | 9 **Unit 0 – Introduction to CTE****Intro APCSP and AP exam****-about me project??****-Goal** | 10 |
| 11  | 12Week 1**Unit 0 – Introduction to CTE****Intro APCSP and AP exam****-Day 3 p59** | 13**Unit 1 - Digital Information.**Lesson 1:Welcome to CSPLesson 2: Representing Information | 14**Unit 1 - Digital Information**Lesson 3: Circle Square PatternsLesson 4: Binary Numbers | 15**Unit 1 - Digital Information**Lesson 4: Binary Numbers | 16 **Unit 1 - Digital Information**Lesson 5: Overflow and Rounding | 17 |
| 18  | 19Week 2**Unit 1 - Digital Information**Lesson 6: Representing Text | 20 **Unit 1 - Digital Information**Lesson7: Black and White ImagesQuiz-Binary | 21**Unit 1 - Digital Information**Lesson 8: Color Images | 22**Unit 1 - Digital Information**Lesson 9: Lossless Compression | 23**Unit 1 - Digital Information**Lesson 10: Lossy Compression | 24 |
| 25  | 26Week 3**Unit 1 - Digital Information**Test review | 27Lesson 14: Assessment Day. | 28**Unit 1 - Digital Information**Lesson 11: Intellectual PropertyProgress Report 1???? | 29**Unit 1 - Digital Information**Lesson 12: Project Digital Information Dilemmas Part 1 | 30**Unit 1 - Digital Information**Lesson 12: Project Digital Information Dilemmas Part 1 | 31 |

| [◄ August](#August_2021) | **September 2024** | [October ►](#October_2021" \o "Jump to October) |
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| **Sun** | **Mon** | **Tue** | **Wed** | **Thu** | **Fri** | **Sat** |
| 1 | 2Holiday (Labor Day)Week 4 | 3**Unit 2 - The Internet**Lesson 1: Welcome to the Internet | 4 **Unit 2 - The Internet**Lesson 2: Building a Network | 5 **Unit 2 - The Internet**Lesson 3: Need for Addressing | 6**Unit 2 - The Internet**Lesson 4: Routers and Redundancy | 7 |
| 8  | 9 Wk 5**Unit 2 - The Internet**Lesson 5: Packets | 10 **Unit 2 - The Internet**Lesson 6: HTTP and DNS | 11 **Unit 2 - The Internet**Lesson 7: Project Internet Dilemmas Part 1  | 12**Unit 2 - The Internet**Lesson 8: Project Internet Dilemmas Part 2 | 13**Unit 2 - The Internet**Lesson 9: Assessment DayProgress Report 2??? | 14  |
| 15  | 16 Wk 6**Unit 3 – Intro to App Design**Lesson 1: Intro to Apps | 17 **Unit 3 – Intro to App Design**Lesson 2: Introduction to Design Mode | 18 **Unit 3 – Intro to App Design**Lesson 3: Project - Designing an App - Parts 1-2 | 19 **Unit 3 – Intro to App Design**Lesson 4: Project - Designing an App - Parts 2Homework:Lesson 5: The Need for Programming languages | 20**Unit 3 – Intro to App Design**Lesson 6: Intro to Programming | 21 |
| 22  | 23 Week 7**Unit 3 – Intro to App Design**Lesson 7: Debugging | 24**Unit 3 – Intro to App Design**Lesson 8: Project - Designing an App - Parts 3-5 | 25 **Unit 3 – Intro to App Design**Lesson 9/10: Project - Designing an App - Parts 3-5(Continued) |  26**Unit 3 – Intro to App Design**Lesson 11: Assessment Day | 27Professional Learning - No Students | 28 |
| 29 | 30 Week 8**Unit 4 - Variables, Conditionals, and Functions**Lesson 1: Variables Explore |  |

| [◄ September](#September_2021) | **October 2024** | [November ►](#November_2021" \o "Jump to November) |
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| **Sun** | **Mon** | **Tue** | **Wed** | **Thu** | **Fri** | **Sat** |
|  | **Week 8** | 1**Unit 4 - Variables, Conditionals, and Functions**Lesson 2: Variables Investigate | 2**Unit 4 - Variables, Conditionals, and Functions**Lesson 3: Variables Practice | 3 **Unit 4 - Variables, Conditionals, and Functions**Lesson 4: Variables Make | 4 Holiday | 5 |
| 6 | 7Week 9**Unit 4 - Variables, Conditionals, and Functions**Lesson 5: Conditionals Explore**(Bingo, flowchart)** | 8**Unit 4 - Variables, Conditionals, and Functions**Lesson 6: Conditionals Investigate | 9] **End of 1st 9 Weeks****Unit 4 - Variables, Conditionals, and Functions**Lesson 7: Conditionals PracticeDue-flowChart( game)  | 10 Holiday | 11 Holiday | 12  |
| 13 | 14 Week 10Holiday | 15Teacher planning dayPSAT-11TH???? | 16[ Term 2**Unit 4 - Variables, Conditionals, and Functions**Lesson 8: Conditionals Make  | 17**PSAT -10TH****Unit 4 - Variables, Conditionals, and Functions**Lesson 8: Conditionals Make (Continued)Or test (unit3-4 (1-8) -MG | 18**Unit 4 - Variables, Conditionals, and Functions**Lesson 9: Functions Explore/Investigate | 19  |
| 20  | 21 week 11**Unit 4 - Variables, Conditionals, and Functions**Lesson 10: Functions Practice | 22**Unit 4 - Variables, Conditionals, and Functions**Lesson 11: Functions Make  | 23**Unit 4 - Variables, Conditionals, and Functions**Lesson 15: Assessment Day | 24**Unit 4 - Variables, Conditionals, and Functions**Lesson 12: Project - Decision Maker App - Parts 1 | 25**Unit 4 - Variables, Conditionals, and Functions**Lesson 12: Project - Decision Maker App - Parts 2PR 3 | 26  |
| 27 | 28week 12**Unit 4 - Variables, Conditionals, and Functions**Lesson 12: Project - Decision Maker App - Parts 3 | 29**Unit 5 - Lists, Loops, and Traversals**Lesson 1: Lists Explore | 30**Unit 5 - Lists, Loops, and Traversals**Lesson 2: Lists Investigate | 31**Unit 5 -** Lists, Loops, and TraversalsLesson 3: Lists Practice |  |

| [◄ October](#October_2021) | **November 2024** | [December ►](#December_2021" \o "Jump to December) |
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| **Sun** | **Mon** | **Tue** | **Wed** | **Thu** | **Fri** | **Sat** |
|  |  |  |   |  | 1Holiday | 2 |
| 3 | **4** Week 13**Unit 5 -** Lists, Loops, and TraversalsLesson 4: Lists Make | 5**Unit 5 -** Lists, Loops, and TraversalsLesson 5: Loops Explore | 6 **Unit 5 -** Lists, Loops, and TraversalsLesson 6: Loops Investigate | 7 **Unit 5 -** Lists, Loops, and TraversalsLesson 7: Loops Practice | 8**Unit 5 -** Lists, Loops, and TraversalsLesson 8: Loops Make | 9  |
| 10  | 11 Holiday | 12 Wk 14**Unit 5 -** Lists, Loops, and TraversalsLesson 9: Traversals Explore | 13**Unit 5 -** Lists, Loops, and TraversalsLesson 10: Traversals Investigate | 14 **Unit 5 -** Lists, Loops, and TraversalsLesson 11: Traversals Practice | 15 **Unit 5 -** Lists, Loops, and TraversalsLesson 12: Traversals Make | **16**  |
| 17 | 18 Wk 15**Unit 5 -** Lists, Loops, and TraversalsLesson 12: Traversals Make-DUE | 19 **Unit 5 -** Lists, Loops, and TraversalsLesson 18: Assessment Day | 20**Unit 5 -** Lists, Loops, and TraversalsLesson 13: Project - Hackathon - Part 1 | 21**Unit 5 -** Lists, Loops, and TraversalsLesson 14: Project - Hackathon - Part 2 | 22 Progress Report 4**Unit 5 -** Lists, Loops, and TraversalsLesson 15: Project - Hackathon - Part 3 | 23 |
| 24 | 25 Thanksgiving Break | 26 Thanksgiving Break | **27** Thanksgiving Break | 28Thanksgiving Break | 29 | 30 |

| [◄ November](#November_2021) | **December 2024** |  |
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| **Sun** | **Mon** | **Tue** | **Wed** | **Thu** | **Fri** | **Sat** |
| 1 |  2 Week 16**Unit 5 -** Lists, Loops, and TraversalsLesson 16: Project - Hackathon - Part 4 |  3**Unit 5 -** Lists, Loops, and TraversalsLesson 17: Project - Hackathon - Part 5STAAR-ENG 1 RETEST | 4 *Hackathon Project Presentations**(gallery walk)*STAAR-ALG 1RETEST | 5U7L1-parameter and return exploreSTAAR-ENG 2RETEST | 6 U7l2\_Parameters and Return InvestigateSTAAR-BIO/HSRETEST | 7 |
| 8  | 9 U7L3-Parameters and Return Pracice | 10 U7L4-Parameters and return make  | 11 Peer grade U7L4(DG) | 12 Final Review | 13 Final Review | 14  |
| 15  | **16** Final Review | 17 Final Exam | 18 **Exam** | 19**Exam****Students Early Release** | 20 End of 2nd 9 week**Exams****Students Early Release** | 21 |
| 22 | 23**Winter break** | 24 | 25  | 26 | 27  | 28  |
| 29 | 30**Winter break** | 31 |  |