

Pacing Guide: Semester 1

Eckel, TJHSST AI1, Fall 2022

This is a GUIDE – your path can look like something different from *any* of these columns if you want. For instance, you don't need to follow the ordering presented here; the flowchart tells you which assignments really matter as prereqs.

Also, please note that the only due dates are the LAST DAY for each unit. The rest are recommendations but are fully flexible. In particular, though many of the recommended completion dates fall on holidays, I'm **not** expecting you to do work on those holidays; flex around those dates if/when you celebrate & need that time for family / personal time.

Recommended completion date (each date is a Sunday, unless otherwise noted)	Pacing plan for finishing GREEN assignments, 75%	Pacing plan for finishing GREEN and BLUE assignments, 88%	Pacing Plan for finishing GREEN, BLUE, and RED assignments, 95%	Pacing plan for finishing everything, 100%
Completed by 8/28	0: Python Exercises 1&2	0: Python Exercises 1&2	0: Python Exercises 1&2	0: Python Exercises 1&2 0: Project Euler Ch.
Completed by Monday 9/5, due to Labor Day Break	I strongly recommend completing the Data Structures Challenge!		0: Data Structure Ch.	0: Data Structure Ch. 0: Euler Extension
Completed by 9/11		0: Data Structure Ch.	0: Project Euler Ch.	1: Sliding Puzzles Model 1: Sliding Puzzles BFS
SUNDAY 9/12 is the LAST DAY of Unit 0				
Completed by 9/18	1: Sliding Puzzles Model	1: Sliding Puzzles Model (and make progress on Sliding Puzzles BFS)	1: Sliding Puzzles Model 1: Sliding Puzzles BFS	1: Word Ladders 1: DFS Peg Solitaire 1: Bidirectional BFS
Completed by Monday 9/26, due to Rosh Hashanah		1: Sliding Puzzles BFS (and make progress on Word Ladders)	1: Word Ladders 1: DFS Peg Solitaire	1: ID-DFS 1: Word Ladders Any Length
Completed by 10/2	1: Sliding Puzzles BFS	1: Word Ladders 1: DFS Peg Solitaire	1: Bidirectional BFS 1: ID-DFS	1: Rush Hour 1: Sliding Puzzles A*
SUNDAY 10/2 is the LAST DAY of Unit 1a				
Completed by Monday 10/10, due to Indig. Peoples Day		1: Sliding Puzzles A*	1: Sliding Puzzles A* (and make progress on Sliding Puzzles Opt.)	1: Sliding Puzzles Opt. 1: Bidirectional A*
Completed by 10/16	1: Sliding Puzzles A*	1: Modeling Challenge I ^ MC I takes place on 10/13 or 10/14; you must have Sliding Puzzles A* complete to participate!	1: Modeling Challenge I ^ MC I takes place on 10/13 or 10/14; you must have Sliding Puzzles A* complete to participate! 1: Sliding Puzzles Opt.	1: Modeling Challenge I ^ MC I takes place on 10/13 or 10/14; you must have Sliding Puzzles A* complete to participate! 2: N-Queens: Backtrack
SUNDAY 10/16 is the LAST DAY of Unit 1b				
Completed by Monday 10/24, due to Diwali		2: N-Queens: Backtrack 2: N-Queens: Inc. Repair	2: N-Queens: Backtrack 2: N-Queens: Inc. Repair	2: N-Queens: Inc. Repair 2: Sudoku p1 RED
Completed by Monday 10/31, due to teacher work day	2: N-Queens: Backtrack	2: Sudoku p1 BLUE	2: Sudoku p1 RED	2: Sudoku p2 RED
Completed by 11/6				2: Sudoku p3 OR KenKen
Completed by 11/13	2: N-Queens: Inc. Repair	2: Sudoku p2 BLUE	2: Sudoku p2 RED	2: Modeling Challenge II ^ MC II takes place on 11/9 or 11/10; you must have Sudoku RED complete to participate!
SUNDAY 11/13 is the LAST DAY of Unit 2				

Completed by 11/20		3: Tic-Tac-Toe	3: Tic-Tac-Toe 3: A/B Pruning Quiz	3: Tic-Tac-Toe 3: A/B Pruning Quiz
Completed by 11/27 (After Tnkssgiving Brk)	3: Tic-Tac-Toe	3: A/B Pruning Quiz		3: Othello Modeling
Completed by 12/4	3: A/B Pruning Quiz	3: Othello Modeling	3: Othello Modeling (and make progress on AI Level 1)	3: Othello AI: Level 1 3: Othello AI: Level 2
Completed by 12/11	Do BLUE or makeup work or start unit 4 project		3: Othello AI: Level 1 (and make progress on AI Level 2)	3: Othello AI: Level 3
Completed by Friday 12/16 (winter break!)	Do BLUE or makeup work or start unit 4 project	3: Othello AI: Level 1	3: Modeling Challenge III ^ MC III takes place on 12/13 or 12/14; you must have Sudoku RED complete to participate! 3: Othello AI: Level 2	3: Modeling Challenge III ^ MC III takes place on 12/13 or 12/14; you must have Sudoku RED complete to participate! 3: Try Another Language
FRIDAY 12/16 is the LAST DAY of Unit 3				
Completed by 1/8		4: Project Choice GREEN	4: Project Choice GREEN	4: Project Choice GREEN 4: Project Choice BLUE
Completed by Monday 1/16 due to MLK's Birthday	4: Project Choice GREEN		4: Project Choice BLUE	4: Project Choice RED
Completed by 1/22	Any resubmits or corrections	4: Project Choice BLUE	4: Project Choice RED	4: Project Choice BLACK
Completed by Wednesday 1/25, end of semester	Final resubmits!	Final resubmits!	Final resubmits!	Final resubmits!
WEDNESDAY 1/25 is the LAST DAY of Unit 4 and Semester 1! THIS IS A HARD DEADLINE – no resubmits after 1/25 at midnight!				

If you finish the entire course and have extra time, please consider completing additional final project options! Train Routes, Crosswords, and Game of Choice have all been some of the highest rated assignments in past years – all three are well worth your time if you have the time to spare.