Intro to programming weekly checklist

**These are the tasked that are required to be completed throughout  
the course of this class**

# Week 1 - Week 3 (Learning Plan 1)

Introductions **(in class)**

Watch video in Module 1 “Installing the Software” **(online)**

Download and install Java JDK

Download and install Eclipse IDE

Read Chapter 1

Read Chapter 2

Watch video in Module 1 “Creating Your First Project” **(online)**

Post: Introductions and Reasons to Be a Programmer (Don’t forget to respond to 2 other students’ posts) **(online)**

Complete Textbook Exercise 2.4

Complete Challenge Exercise LP1\_PAT3\_PaintingARoom

Complete Basic Programming Project

# Week 4 – Week 6 (Learning Plan 2)

Chapter 1 and 2 review **(in class)**

Read Chapter 3

Read Chapter 4

Post: Investigate the creation of objects (Don’t forget to respond to 2 other students’ posts) **(online)**

Complete Textbook Exercise 3.1, 4.3, and 4.4

Complete Challenge Exercise LP2\_PAT3\_A\_RollingDice

Complete Challenge Exercise LP2\_PAT3\_B\_StringManipulation

Complete Objects and Classes Project

# Week 7 – Week 9 (Learning Plan 3)

Chapter 3 and 4 review **(in class)**

Read Chapter 5

Read Chapter 6

Post: If to Switch (Don’t forget to respond to 2 other students’ posts) **(online)**

Complete Textbook Exercise 5.2 and 6.1

Complete Challenge Exercise LP3\_PAT3\_A\_RockPaperScissor

Complete Challenge Exercise LP3\_PAT3\_B\_CountingLooping

Complete Decision Making Project

# Week 10 – 12 (Learning Plan 4)

Chapter 5 and 6 review **(in class)**

Read Chapter 7

Read Chapter 12

Very quickly skim Chapter 9 (we will not be covering this topic in this class, however, it is used in some portions of the book)

Post: Recursion Anyone? (Don’t forget to respond to 2 other students’ posts) **(online)**

Complete Textbook Exercise 7.1 and 12.7

Complete Challenge Exercise LP4\_PAT3\_A\_Printing\_a\_String\_Backwards

Complete Challenge Exercise LP4\_PAT3\_B\_Transfer

Complete Functions and Recursion Project

# Week 13 – 15 (Learning Plan 5)

Chapter 7 and 12 review **(in class)**

Read Chapter 8

Read Chapter 13

Post: Example Sharing (Don’t forget to respond to 2 other students’ posts) **(online)**

Complete Textbook Exercise 8.1 and 13.6

Complete Challenge Exercise LP5\_PAT3\_A\_Linkedlist\_Of\_Movies

Complete Challenge Exercise LP5\_PAT3\_B\_Reversing\_Array

Complete Data Collections Project

# Week 16 (Learning Plan 6)

Chapter 8 and 13 review **(in class)**

Read Chapter 11

Post: Example Sharing (Don’t forget to respond to 2 other students’ posts) **(online)**

Complete Textbook Exercise 11.4

Complete Challenge Exercise LP6\_PAT3\_Placing\_Exception\_Handlers

Complete Reading and Writing Data Project