

## COMPUTER GRADE 6 – 9:00-9:40

Monday 3-2-2020

**Topic:** Photoshop Interface – Rotation E - Sepos

**Objective:** The teacher will introduce the Photoshop interface and the tools that are part of the program. The students will learn how to open and save a document, use the Layers and History palette, and the basic ideas of viewing and printing documents. They will learn how to view a document with multiple views. They will also learn the proper way to close down the Photoshop program. The students will experiment with the Photoshop tools, screens, window types, and user preferences by opening the Flowers photoshop file and manipulating the layers using the Filter-Liquify tool.

**Assignment:** None

**Upcoming events:** Photoshop Examples – Matrix

Tuesday 3-3-2020

**Topic:** Photoshop Interface – Rotation A - Seige

**Objective:** The teacher will introduce the Photoshop interface and the tools that are part of the program. The students will learn how to open and save a document, use the Layers and History palette, and the basic ideas of viewing and printing documents. They will learn how to view a document with multiple views. They will also learn the proper way to close down the Photoshop program. The students will experiment with the Photoshop tools, screens, window types, and user preferences by opening the Flowers photoshop file and manipulating the layers using the Filter-Liquify tool.

**Assignment:** None

**Upcoming events:** Photoshop Examples – Matrix

Wednesday 3-4-2020

**Topic:** Photoshop Interface – Rotation B - Strausser

**Objective:** The teacher will introduce the Photoshop interface and the tools that are part of the program. The students will learn how to open and save a document, use the Layers and History palette, and the basic ideas of viewing and printing documents. They will learn how to view a document with multiple views. They will also learn the proper way to close down the Photoshop program. The students will experiment with the Photoshop tools, screens, window types, and user preferences by opening the Flowers photoshop file and manipulating the layers using the Filter-Liquify tool.

**Assignment:** None

**Upcoming events:** Photoshop Examples – Matrix

Thursday 3-5-2020

**Topic:** No Class Today – Rotation C

**Objective:** None

**Assignment:** None

**Upcoming events:** None

Friday 3-6-2020

**Topic:** Photoshop Interface – Rotation D - Lasko

**Objective:** The teacher will introduce the Photoshop interface and the tools that are part of the program. The students will learn how to open and save a document, use the Layers and History palette, and the basic ideas of viewing and printing documents. They will learn how to view a document with multiple views. They will also learn the proper way to close down the Photoshop program. The students will experiment with the Photoshop tools, screens, window types, and user preferences by opening the Flowers photoshop file and manipulating the layers using the Filter-Liquify tool.

**Assignment:** None

**Upcoming events:** Photoshop Examples – Matrix

## COMPUTER GRADE 3 – 9:45 – 10:25

Monday 3-2-2020

**Topic:** Word Clouds – Who am I? Word Cloud Activity

**Objective:** The teacher will introduce the students to word clouds using [www.wordclouds.com](http://www.wordclouds.com). The students will create a word cloud using 10 facts about themselves. The facts cannot give away their private identity information. The word cloud will be saved.

**Assignment:** None

**Upcoming events:** Quick Draw with Google

Tuesday 3-4-2020

**Topic:** Word Clouds – Who am I? Word Cloud Activity

**Objective:** The teacher will introduce the students to word clouds using [www.wordclouds.com](http://www.wordclouds.com). The students will create a word cloud using 10 facts about themselves. The facts cannot give away their private identity information. The word cloud will be saved.

**Assignment:** None

**Upcoming events:** Quick Draw with Google

Wednesday 3-5-2020

**Topic:** No Class Today – B Rotation

**Objective:** None

**Assignment:** None

**Upcoming events:** None

Thursday 3-6-2020

**Topic:** Word Clouds – Who am I? Word Cloud Activity

**Objective:** The teacher will introduce the students to word clouds using [www.wordclouds.com](http://www.wordclouds.com). The students will create a word cloud using 10 facts about themselves. The facts cannot give away their private identity information. The word cloud will be saved.

**Assignment:** None

**Upcoming events:** Quick Draw with Google

Friday 3-7-2020

**Topic:** Word Clouds – Who am I? Word Cloud Activity

**Objective:** The teacher will introduce the students to word clouds using [www.wordclouds.com](http://www.wordclouds.com). The students will create a word cloud using 10 facts about themselves. The facts cannot give away their private identity information. The word cloud will be saved.

**Assignment:** None

**Upcoming events:** Quick Draw with Google

## CHS INTRO TO JAVA PROGRAMMING

Monday 3-2-2020

**Topic:** JAVA Fundamentals – Pitt Project 2 – “Airplane Seating”

**Objective:** The students will continue to work on their second programming project from Pitt University. The project instructions are located in our online classroom. It is called “CHS Project 2 – Airplane Seating”.

The non-Pitt students will continue to work on the Charge Account Validation program. Instructions are located in the Google classroom.

Both assignments are due tomorrow.

**Assignment:** Work on Pitt Project 2

**Upcoming Events:** Pitt Exam #2

Tuesday 3-3-2020

**Topic:** JAVA Fundamentals – Pitt Project 2 – “Airplane Seating”

**Objective:** The students will continue to work on their second programming project from Pitt University. The project instructions are located in our online classroom. It is called “CHS Project 2 – Airplane Seating”.

The non-Pitt students will continue to work on the Charge Account Validation program. Instructions are located in the Google classroom.

Both assignments are due today.

**Assignment:** Submit Pitt Project 2 or Charge Account Validation programs to our online classroom for grading.

**Upcoming Events:** Pitt Exam #2

Wednesday 3-4-2020

**Topic:** JAVA Fundamentals – Pitt Exam 2 Review

**Objective:** The students will complete the Pitt Exam review sheets that are located in the shared Google Drive folder. The teacher will answer any questions the students may have and demonstrate any concepts the students wish to review.

**Assignment:** Review concepts for part 1 of the Pitt Exam.

**Upcoming Events:** Pitt Exam #2

Thursday 3-5-2020

**Topic:** JAVA Fundamentals – Pitt Exam 2 Review

**Objective:** The students will complete the Pitt Exam review sheets that are located in the shared Google Drive folder. The teacher will answer any questions the students may have and demonstrate any concepts the students wish to review.

**Assignment:** Review concepts for part 2 of the Pitt Exam.

**Upcoming Events:** Pitt Exam #2

Friday 3-6-2020

**Topic:** JAVA Fundamentals – Pitt Exam 2 – Part 1

**Objective:** The students will complete part 1 of the Pitt Exam. The teacher will administer the exam to ensure validity of the results.

**Assignment:** None

**Upcoming Events:** JAVA Fundamentals – 8.1 – Static Class Methods, 8.2 – Passing Objects as Arguments to Methods, 8.3 – Returning Objects from Methods

## GAME MAKER PROGRAMMING

Monday 3-2-2020

**Topic:** Shooter Game Project

**Objective:** The students will finish work on their shooter game. It is due today. The students will download the Floppy Cats resources from the Google classroom shared folder. They will extract the files to a new folder called Floppy Cats.

**Assignment:** Submit the Shooter game to our online classroom for grading.

**Upcoming Events:** Floppy Cats

Tuesday 3-3-2020

**Topic:** Floppy Cats – Part 1 – Scene Setup, Sprites, Backgrounds

**Objective:** The students will begin designing and coding a new game. This type of game will be a parody of the flappy bird game. The teacher will introduce the concept of the game. The students will go to the Google shared folder and download all the game resources from the Floppy Cats folder. We will begin creating the game by setting up the scene, adding the cat and animating the cat character, setting up the physics of the cat such as gravity settings for the movement of the cat, creating the background and grass objects, and setting up a parallax background using the grass object.

**Assignment:** None

**Upcoming Events:** Floppy Cats – Part 2 - Adding the Scrolling Pillars

Wednesday 3-4-2020

**Topic:** Floppy Cats – Part 2 – Adding the Scrolling Pillars

**Objective:** The students will create the top and bottom pillar objects. They will make them move into the screen infinitely. Game cleanup will be coded to ensure the pillars are deleted as they go off the screen. This saves on game memory.

**Assignment:** None

**Upcoming Events:** Floppy Cats – Part 3 – Collision and Scoring System

Thursday 3-5-2020

**Topic:** Floppy Cats – Part 3 – Collision and Scoring System

**Objective:** Collision detection will be setup between the cat and the pillars and between the cat and the ground. If that occurs, the game will restart. They will create new fonts for the score display. A scoring system will be created using hidden score blocks to keep track of if the cat made it through the pillars.

**Assignment:** None

**Upcoming Events:** Floppy Cats – Part 4 – Title Scene, High Score System, and Game Music and Sounds

Friday 3-6-2020

**Topic:** Floppy Cats – Part 4 – Title Scene, High Score System, and Game Music and Sounds

**Objective:** The students will create a game title screen that will show when the game starts. The students will create a high score system that will keep track of the day's highest score. They will create a title object and add it to the title screen. The students will create and add all the sound effects for the game. They will also add game music to the game. This will finish the game.

**Assignment:** None

**Upcoming Events:** Endless Runner

## COMPUTER 7

Monday 3-2-2020

**Topic:** Classroom Rules and Expectations, Google Classroom and Google Drive

**Objective:** The teacher will discuss the computer lab rules and classroom expectations. The teacher will discuss all the rules and regulations regarding the use of technology within the district. The students will login to the computers using their network accounts. They will learn about their network storage area and how to access it. The students will login to their school Google accounts to verify that everything is working properly. They will sign into our Google Classroom and learn how to navigate the various sections of the classroom. We will decide on a theme for the classroom. The teacher will do a review of Google Drive and explain all the new features in Google. They can personalize their desktops.

**Assignment:** None

**Upcoming Events:** Keyboarding Home Row Keys

Tuesday 3-3-2020

**Topic:** Keyboarding - Learn the Home Row Keys

**Objective:** The students will use the Tux Typing software to learn the Home Row Keys. They will use proper posture and techniques. They will sit up straight with their feet flat on the floor and arms at their sides. They will keep their eyes on the screen. It is OK for them to peak a little bit while learning the reach to the new keys.

**Assignment:** Students will complete Lessons 1 – 5 in the Tux Typing software.

**Upcoming Events:** Keyboarding Letters G and H

Wednesday 3-4-2020

**Topic:** Keyboarding - Learn the Home Row Keys Plus the Letters G and H

**Objective:** The students will use the Tux Typing software to review the Home Row Keys. They will learn the letters G and H. They will use proper posture and techniques. They will sit up straight with their feet flat on the floor and arms at their sides. They will keep their eyes on the screen. It is OK for them to peak a little bit while learning the reach to the new keys.

**Assignment:** Students will complete Lessons 6 – 10 in the Tux Typing software.

**Upcoming Events:** Review Home Row Keys

Thursday 3-5-2020

**Topic:** Keyboarding - Review the Home Row Keys

**Objective:** The students will use the freetypinggame.net website to review the Home Row Keys. They will print out the results of their typing lessons. They will use proper posture and techniques. They will sit up straight with their feet flat on the floor and arms at their sides. They will keep their eyes on the screen. It is OK for them to peak a little bit while learning the reach to the new keys.

**Assignment:** Students will complete Lessons 1 – 4 on the typing website and print out their completion certificates.

**Upcoming Events:** Keyboarding Timing Test

Friday 3-6-2020

**Topic:** Keyboarding - Home Row Keys Practice

**Objective:** The students will use the freetypinggame.net website to practice the Home Row Keys. They will play games that will help with speed and accuracy. They will use proper posture and techniques. They will sit up straight with their feet flat on the floor and arms at their sides. They will keep their eyes on the screen.

**Assignment:** None

**Upcoming Events:** Keyboarding Timing Test