



| Week | Date   | Chapter   | Lesson   |
|------|--|---|--|
| 1    | 08/30-09/01<br>08/30 First Day of Semester           | CSD Unit 3 - Interactive Animations and Games<br>Chapter 1: Images and Animations | Lesson 1: Programming for a Purpose<br>Lesson 2: Plotting Shapes       |
| 2    | 09/04-09/08  | CSD Unit 3 - Interactive Animations and Games<br>Chapter 1: Images and Animations | Lesson 3: Drawing in Game Lab<br>Lesson 4: Shapes and Parameters       |
| 3    | 09/11-09/15<br>09/16 PTC                             | CSD Unit 3 - Interactive Animations and Games<br>Chapter 1: Images and Animations | Lesson 5: Variables<br>Lesson 6: Random Numbers                        |
| 4    | 09/18-09/23<br>09/23 Make-up Day for 10/09           | CSD Unit 3 - Interactive Animations and Games<br>Chapter 1: Images and Animations | Lesson 7: Mini-Project – Robot Faces<br>Lesson 8: Sprites              |
| 5    | 09/25-09/29<br>09/29 Moon Festival                   | CSD Unit 3 - Interactive Animations and Games<br>Chapter 1: Images and Animations | Lesson 9: Sprite Properties<br>Lesson 10: Text                         |
| 6    | 10/02-10/06  | CSD Unit 3 - Interactive Animations and Games<br>Chapter 1: Images and Animations | Lesson 11: Mini-Project – Captioned Scenes<br>Lesson 12: The Draw Loop |
| 7    | 10/09-10/13<br>10/09 and 10/10 Double 10 Holiday     | CSD Unit 3 - Interactive Animations and Games<br>Chapter 1: Images and Animations | Lesson 13: Sprite Movement<br>Lesson 14: Mini-Project – Animation      |
| 8    | 10/16-10/20  | CSD Unit 3 - Interactive Animations and Games<br>Chapter 1: Images and Animations | Lesson 15: Conditionals<br>Lesson 16: Keyboard Input                   |
| 9    | 10/23-10/27  | CSD Unit 3 - Interactive Animations and Games<br>Chapter 1: Images and Animations | Lesson 17: Mouse Input<br>Lesson 18: Project – Interactive Card        |
| 10   | 10/30-11/03<br>11/01-11/04 He Huan Mountain Climbing | CSD Unit 3 - Interactive Animations and Games<br>Chapter 1: Images and Animations | Lesson 19: Velocity<br>Lesson 20: Collision Detection                  |
| 11   | 11/06-11/10  | CSD Unit 3 - Interactive Animations and Games<br>Chapter 2: Building Games        | Lesson 21: Mini-Project – Side Scroller                                |
| 12   | 11/13-11/17  | CSD Unit 3 - Interactive Animations and Games<br>Chapter 2: Building Games        | Lesson 22: Complex Sprite Movement                                     |
| 13   | 11/20-11/24  | CSD Unit 3 - Interactive Animations and Games<br>Chapter 2: Building Games        | Lesson 23: Collisions  |
| 14   | 11/27-12/01  | CSD Unit 3 - Interactive Animations and Games<br>Chapter 2: Building Games        | Lesson 24: Mini-Project – Flyer Game                                   |
| 15   | 12/04-12/08<br>12/08 Sports Day                      | CSD Unit 3 - Interactive Animations and Games<br>Chapter 2: Building Games        | Lesson 25: Functions   |
| 16   | 12/11-12/15  | CSD Unit 3 - Interactive Animations and Games<br>Chapter 2: Building Games        | Lesson 26: The Game Design Process                                     |
| 17   | 12/18-12/22  | CSD Unit 3 - Interactive Animations and Games<br>Chapter 2: Building Games        | Lesson 27: Using the Game Design Process                               |
| 18   | 12/25-12/29  | CSD Unit 3 - Interactive Animations and Games<br>Chapter 2: Building Games        | Lesson 28: Project - Design a Game                                     |
| 19   | 01/01-01/05<br>01/01 New Year's Day Holiday          | CSD Unit 3 - Interactive Animations and Games<br>Chapter 2: Building Games        | Lesson 28: Project - Design a Game                                     |
| 20   | 01/08-01/12  | CSD Unit 3 - Interactive Animations and Games<br>Chapter 2: Building Games        | Lesson 28: Project - Design a Game                                     |
| 21   | 01/15-01/19<br>01/19 Last Day of Semester            | CSD Unit 3 - Interactive Animations and Games                                     | Post-Project Test<br>CS Discoveries Post-Course Survey                 |