	MONDAY (A) 1:30–3:00	**TUESDAY (B)** 3:05–4:35	**WEDNESDAY (A)** 1:30–3:00	**THURSDAY (B)** 3:05–4:35	**FRIDAY (A)** 1:30–3:00
	Objective(s): SWBAT - Apply the concept classes to making games. - Apply the concept of inheritance to making games	**Objective(s): SWBAT** * Understand how the AP FRQ is graded * Get a high-level understanding of why more advanced data structures may be desirable.	**Objective(s): SWBAT** - Apply the concept classes to making games. - Apply the concept of inheritance to making games	**Objective(s): SWBAT** * Understand O(n^2) sorting algorithms	**Objective(s): SWBAT** - Apply the concept classes to making games. - Apply the concept of inheritance to making games
P	**Engage** - Find the Bug! - Show students the game they will be making	**Engage** - Students will complete 3 practice AP MC Questions	**Engage** - Find the Bug!	**Engage** - Students will complete 3 practice AP MC Questions - Show visualizations of various sorting algorithms	**Engage** - Find the Bug!
L**A**	**Explore:** Students will begin the Box Shooting project. **Explain:** Go over common questions from the previous class **Elaborate:** Summarize the benefits of Classes	**Explore:** Students will grade each others FRQ **Explain:** Answer questions students have about the AP questions that they completed and how the exam is graded **Elaborate:** One of the FRQ that students completed had two functions that were abstracted away. They will try to implement these questions.	**Explore:** Students continue working on the Box Shooting project. **Explain:** Go over common questions from the previous class **Elaborate:** Summarize the benefits of Classes and Inheritance	**Explore:** Students will implement Bubble Sort, Insertion sort, and Selection Sort **Explain:** Students will watch a short lecture on sorting and writ E pseudocode of the three sorting algorithms on the board. **Elaborate: Discuss efficiency and** hint at more advanced algorithms	**Explore:** Students continue working on the Box Shooting project. **Explain:** Go over common questions from the previous class **Elaborate:** Summarize the benefits of Classes and Inheritance
N	**Evaluate:** Walk around checking on everyone's progress **Summary:** Students will explain why classes are useful and when you may want to use them **Assessment(s):** Exit Ticket	**Evaluate:** Walk around checking on everyone's progress **Summary:** Students will explain their grading to each other **Assessment(s):** Exit Ticket, collected scoring	**Evaluate:** Walk around checking on everyone's progress **Summary:** Students will explain why classes are useful and when you may want to use them **Assessment(s):** Exit Ticket	**Evaluate:** Walk around checking on everyone's progress **Summary:** Students will explain how each of the three n^2 sorting algorithms work **Assessment(s):** Exit Ticket, Submitted project	**Evaluate:** Walk around checking on everyone's progress **Summary:** Students will explain why classes are useful and when you may want to use them **Assessment(s):** Exit Ticket
Resources:	**Resource Requirements:** **Laptops with access to Replit**	**Resource Requirements:** **Laptops with access to Replit**	**Resource Requirements:** **Laptops with access to Replit**	**Resource Requirements:** **Laptops with access to Replit**	**Resource Requirements:** **Laptops with access to Replit**