



MyCS Midterm Project

Overview

Show off everything you have learned so far in this class by producing a project that is useful, interesting, and challenging to you. Create something fun and engaging that uses all of the code blocks and Scratch skills you have been learning about!

Basic Requirements

Work with a partner to create an original project that is both challenging and fun. Be as creative as possible; it is entirely up to you and your partner what you design. Create something you care about! (And keep it appropriate for school.) Aim for a difficulty level slightly above what you're comfortable with, but not impossible to finish. You will need to get your teacher's approval before you begin to code.

Requirements for your project:

1. Include at least 2 sprites and 1 backdrop
 - Use costume and backdrop changes to add interest to your program.
2. Give a clear way to start your program, such as using the green flag.
 - Include directions in your project description.
3. Be sure to initialize your project so that everything resets to its original place when the program starts over again.
4. Make it interactive.
 - Use different event blocks (when key pressed, when sprite clicked) so people can interact with your program
5. Use a repeat block at least once to avoid repetitive code.
6. Use a conditional block with a sensing block at least once to trigger a command only when a certain condition is true (such as touching another sprite or a specific color).

Project Ideas	Starter Projects
● Game ● Animation ● Interactive story ● Music program ● Anything else you can think of!	Check out some Scratch Starter Projects for inspiration: https://scratch.mit.edu/starter_projects/

Midterm Project Brainstorm

Issues that I Care About <i>Consider social issues and community challenges.</i>	Things I Could Create <i>Add types of projects you could make. Circle those you are excited about.</i>	Project Ideas <i>Combine social issues with project ideas.</i>
	animation artwork game interactive story public service announcement music drawing	

Circle the idea(s) in column three that you like best. Share these ideas with your teammates. Feel free to add more ideas. Put a star next to the idea you choose.

Group Members: _____ Period: _____

Midterm Project Proposal

1. **Description & Purpose:** Describe your project. What are you trying to accomplish?
2. **Scope:** Who is your user? What type of things will the user be able to do within your project? What will the user know after interacting with your project?
3. **Design:** How will you create your project? What will it look like? What are you going to use (sprites, backdrops, costumes)?
4. **Programming:** What are some of the programming concepts you will apply and challenges you may face? What blocks do you think you will need?

Teacher's Approval:	Teachers' Feedback:
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Midterm Project Sketching and Planning

Sketch what the scene will look like.	Describe the important parts of the scene.

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Group Members: _____ Period: _____

Partner Project Feedback

	Group 1	Group 2
Names of group members		
What works well? What is really great about the project?		
What is something that doesn't yet work or could be improved?		
What is something that is confusing or could be done differently? Do you have other ideas or suggestions?		

Group Members: _____ Period: _____

Midterm Project Rubric

	 Needs improvement	 Nears standard	 Meets or exceeds standard
Project Brainstorming and Proposal	5	8	10
Project Planning	5	8	10
Partner Project Feedback	5	8	10
Basic Requirements (8 x 5 points each)			
Project is complete.	1	3	5
Project is interactive.	1	3	5
Project can be easily started.	1	3	5
Project can be initialized.	1	3	5
Uses a variety of motion, looks, and sound blocks	1	3	5
Uses at least one loop (<i>repeat</i>) block.	1	3	5
Uses at least one conditional (<i>if/then/else</i>) block.	1	3	5
Includes directions and information on the project page.	1	3	5
Creative and Engaging Project	10	15	20
Collaboration and Respect	5	8	10

Total Points: _____/100

Final Grade: _____

Teachers' Feedback: