

**AP CSP Python with CodeX
Selecting a Create PT Project Activity Guide**

Name:

Warm-Up

When creating the project for the Create PT what are some things you cannot do?

Answers will vary. Possible answers could include:

- Ask the teacher for help
- Use any program that was assigned

When creating the project for the Create PT what are some things you can or should do?

- Work with a partner
- Get help from classmates
- Use notes and the Internet for help
- Add comments, keep a journal of what I do
- Use my own idea for the project
- Remix a program

Selecting a Project

What are some tips on what the project can be?

Answers will vary. Information from slide 6 includes:

- Base it on a program you already completed
- Have original code
- Don't make it a huge project.
- Be something you are interested in.

Brainstorm new ways to remix PT Practice #1

Answers will vary. The following answers come from the slides. Hopefully students will have their own ideas.

- Change the lists to text instead of pixel colors
- Change the lists to images
- Have more than two lists to choose from
- Add a single item scroll (forward and backward)
- Add a random item option

Brainstorm new ways to remix PT Practice #2

Answers will vary. The following answers come from the slides. Hopefully students will have their own ideas.

- Change the button press prompts to arrows, images or pixels
- Have lists of different prompts, and let the user choose the prompt
- Change the output with an image or screen color
- Add a counter for correct button presses and show the results
- Have lists with button presses in different orders. Traverse the list instead of randomly selecting prompts

Brainstorm new ways to remix PT Practice #3

Answers will vary. The following answers come from the slides. Hopefully students will have their own ideas.

- Have two lists for different games: such as an arrow or a color
- Have a list of texts with messages for a game, like Life
- Have a list of game cards, like Monopoly
- Use random letters, like Bogle
- Use it as a Bingo selector

	<ul style="list-style-type: none"> ● Review lists for a subject in school, like flash cards ● Topic starter for a discussion or project ● Use it as a random selector for a competition
Brainstorm new ways to remix PT Practice #4	<p>Answers will vary. The following answers come from the slides. Hopefully students will have their own ideas.</p> <ul style="list-style-type: none"> ● Use words, colors or images instead of single letters ● Add a counter for total games and a counter for the number correct. Display the results. ● Have two lists for the game, and let the user choose which list to use. ● Change the output to an image or screen color.
Open a remix or program that you really enjoyed. Brainstorm ways to remix the program for the Create PT.	<p>Answers will vary. Students can work independently or in collaborative groups.</p> <p>Program: Ideas for Create PT Remix:</p>
Selecting a project: Do you plan to work by yourself or with a partner? Who will your partner be?	Answers will vary
List a couple of ideas you have for your Create PT project.	Answers will vary
Wrap-Up	
Review the final comments. What information stands out to you from the final comments?	Answers will vary.