Use this planning guide to help think about the project you would like to create and start planning for it before you hop on the computer. Remember that problem solving is always linear, so it’s always okay to go back to previous steps once you get working if you need to refine your plan - this is your project!

Define

Use the space to describe or sketch what kind of a project you want to create. Consider checking out the example projects on Code Studio or using any of the previous programs you’ve made for inspiration.
Prepare

Once you know what you want to make, it’s time to prepare for success. This step can look different depending on what exactly you are trying to do, so pick two prompts that make sense for you.

<table>
<thead>
<tr>
<th>What programming concepts (like loops, event or conditionals) will you need to use? Brainstorm where you can go to get more help with each concept.</th>
<th>How will you break the project into smaller tasks? What parts of your code will you write right away and what can you save for later?</th>
</tr>
</thead>
<tbody>
<tr>
<td>What parts of your program do you know how to do, and what parts are you less clear on? How could you figure those out?</td>
<td>Have you made programs in the past that do similar things to your project idea? What could you borrow from those programs?</td>
</tr>
</tbody>
</table>
Try

Using the resources you collected in the prepare step, start working on your project. Use the space below to write down questions that come up as you work, jot down notes that you might need in the future, or just as scratch space to think through problems.
Reflect

Try out your project and share it with classmates. Once you’ve seen how your project works and what others think if it, reflect on how you got there and where you might go next.

What are you most proud of?

What was surprising or difficult?

What would you like to change or improve?

What would you do differently next time?