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My Junior Cycle Coding CBA — Arcade Game

Larkin Community College Coláiste Pobail Lorcáin | Oide

1. Design

a. What is my project?
b. What is it about?
c. How will I play it?

2. Image & sound

Pick my image and audio files.

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3. Events

What makes my program do something (like a click or key press) AND what does my program do after that?

```
when this sprite clicked
1.  self.hide() #sprite disappears
2.
3.  self.wait_seconds(1)
4.  self.go_to_random_position()
5.  costume_index = random.choice([0,9])
6.  self.switch_costume(costume_index)
7.
8.  self.show() #sprite reappears
```

4. Variables

What information does my program keep track of (like score, lives, or guesses), and how does it use that information?

```
when green flag clicked
1.  Stage.score = 0
2.  self.show_variable("score")

when stage clicked
1.  Stage.score -= 5
```

5. Selection

Where does my program make a decision, and what does it do in each situation?

```
when this sprite clicked
1.  if self.costume_number == 0:
2.      Stage.score += 1 #low score
3.  if self.costume_number == 9:
4.      Stage.score += 5 #high score
```

6. Effects

What effect does my program show on screen, e.g., sound, and what causes it?

```
when stage clicked
1.  self.start_sound('pop-sound.mp3') #sound
2.  Stage.score -= 5
3.  if Stage.score > 0:
4.      Stage.score = 0 #reset score to zero
```

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My Junior Cycle Coding CBA — Project Report

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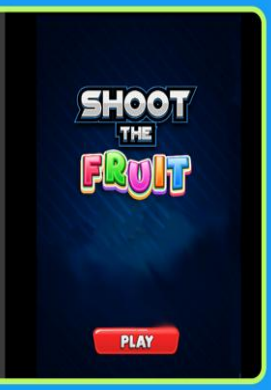
Larkin Community College, Coláiste Pobail Lorcáin — Oide

1. Project Story

- Give your project a descriptive title.
- Explain what happens in your project.



2. Project Artefacts

Show copies of image & audio files downloaded.

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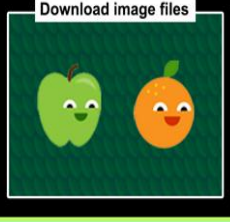

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3. Programing Concepts

3 x programming concepts

Event driven programming

Variable

Selection

4. Reflection

What are the key takeaways?

1. Describe one part of your project that you're proud of and that worked well.
2. Describe one thing you would change or improve in your project next time.

5. Submission

Your Pytch project

1. Test your project and fix errors.
2. Add comments to explain key parts of your code.
3. Make a screen recording/ photo of your project.
4. Share a copy of your Pytch zip file.

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