# Important Dates

<table>
<thead>
<tr>
<th>Date and Time</th>
<th>Type</th>
<th>Assignment</th>
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<tbody>
<tr>
<td>Friday, 1/31 in Class</td>
<td>Quiz</td>
<td>Quiz 2</td>
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<tr>
<td>Friday, 1/31 before 11:59pm</td>
<td>Homework <em>on Canvas</em></td>
<td>Jumping Monster</td>
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<tr>
<td>Tuesday, 2/4 before 11:59pm</td>
<td>Homework <em>on Canvas</em></td>
<td>Creativity Project Planning</td>
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<td>Wednesday, 2/5 before 11:59pm</td>
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<td>Portfolio Update 1</td>
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Creativity Project

- Next week is the Creativity Project
  - In pairs, you will be asked to brainstorm TWO Processing projects of your choice
  - You will implement and submit ONE of your two projects
  - The point is to use the tools available to you to make something fun and creative!
  - Planning document due Tuesday (2/4)
  - Actual programs due next Friday (2/7)
Quiz 2

- Topics
  - Variables & Data Types
  - Functions
  - Expressions & Control Flow
- Code Snippets
- Questions?
No reading presentations this week!!
Output

1. Drawing
   a. What we’ve been doing so far!

2. Printing
   a. Using `print()` and `println()`
   b. Useful for “debugging”

3. Text
   a. `text("your text", x, y)}`
Keyboard Input

- **key** and **keyCode**
  - System variables
  - key is a char variable with the most recent key or CODED if it’s non-ASCII
  - keyCode is for non-ASCII keys like LEFT, RIGHT, ALT, SHIFT, etc.

- **keyPressed()** and **keyTyped()**
  - Function you can define the body of
  - Runs once every time a key is pressed (keyTyped ignored non-ASCII keys)
Mouse Input

- **mouseX, pmouseX, mouseButton**
  - System variables
  - mouseX and pmouseX are int variables that have the current or previous frame’s x coordinate of the mouse
  - mouseButton has the most recently clicked mouse button like LEFT, RIGHT, or CENTER

- **mousePressed()**, **mouseReleased()**
  - Function you can define the body of
  - Runs once every time a mouse button is pressed or released
Worksheet time!
Work time!

- Homework
  - Jumping Monster (due tomorrow)
  - Creativity Planning
- Quiz (tomorrow)
- Portfolio Update