

# Final Project

Using Scratch, design an app that teaches a concept to a K-12 student.

Examples:

Solar System simulator:

<http://scratch.mit.edu/projects/585103/>

Dice probabilities:

<http://scratch.mit.edu/projects/25332454/>

Change counter:

<http://scratch.mit.edu/projects/25332258/>

Heart simulation:

<http://scratch.mit.edu/projects/19884629/>

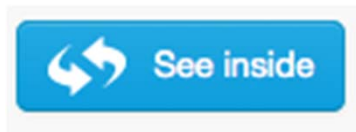
# Tech Week

- Register at: [techweek.tulane.edu](http://techweek.tulane.edu)
- Extra credit opportunity
  - Worth up to half of one assignment (10%)
- Attend at least one session at Tech Week
- Email Dr. Wenk and I an informative summary of what you learned.
  - [jscheuer@tulane.edu](mailto:jscheuer@tulane.edu)
  - [cwenk@tulane.edu](mailto:cwenk@tulane.edu)

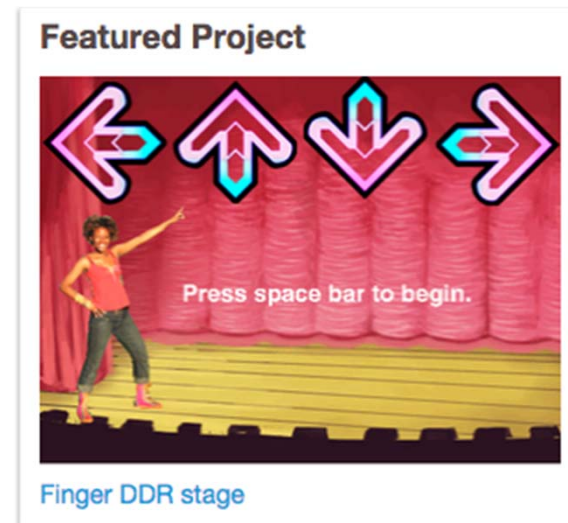
# Dance Dance Revolution Example

- Visit: <http://bit.ly/1ufl3Nt>
- Or: <http://scratch.mit.edu/users/jaellemj/>
- - Find “Finger DDR Stage”

Click:



Then choose:



# Programming DDR

- Break down the program into smaller parts.
- Make arrows move
- Start the sequence
- Click the arrows to highlight moving arrows
  - Turn arrows yellow when arrows pressed
- Determine distance to goal arrow
- Make dancer dance

# If-then-else Statements

- Determine which instructions should be executed based on the result of a test condition.

