**BleepBlorp Multitasking Project Planning Sheet** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Problem Statement:** Company BleepBlorp has problems with efficiencies in the workplace that they think might be related to the employees trying to do to many things at once. Company BleepBlorp makes many products, but has a small group of employees, and business is growing. They need to keep up with demand, but want to avoid hiring more workers if possible. They have asked you for help and expertise in determining the impacts of multitasking, if any, and to help their employees understand the impacts as well through a computer game to be used for training purposes.

Your task is to create both a computer-based task and non-computer-based task that helps employees evaluate the effectiveness of multitasking and helps them plan their work efficiently. Your completed project should include the following criteria/constraints:

* A computer based game that takes one minute to complete
* A simultaneous “off line” activity
* A method to collect data

What type of game will you create in Scratch?

* **Collection** - the user controlled Sprite in involved in the collecting of objects to complete the objective of the game.
* **Maze** - the user controlled Sprite must navigate through a series of static obstacles, borders, boundaries or lines to complete the objective of the game.
* **Avoidance** - the user controlled Sprite must avoid moving autonomous Sprites to complete the objective of the game.

What type of off-line task will you create?

* **Speaking** - the tester has a speaking activity to complete. For example, the tester has to recite the alphabet backwards.
* **Writing** - the tester has a writing activity to complete. For example, the tester has to write all even numbers.
* **Memorizing** - the tester has to complete a memory test. For example, the tester has to memorize and remember a series of objects from a picture.

How will you collect data from your test?

**Scratch Game**: Sketch the game screen. Think about the sprites you will use, backdrop, etc.

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**Off-Line Task:** Describe the non-computer task you have planned. Explain how you plan on administering the experiment.