

## Object Project Dissection Lab Activity (Gloves and goggles required)

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**Directions: FIRST** Choose one of the past student Object Projects on the Object Project Starter Seeds page. **NEXT:** create a class diagram below of the two classes associated with each project: one that acts as a “blueprint” object and the other which holds the `main()` method and actually instantiates the object with the `new` keyword **THEN:** Diagram method calls in the space between the two classes. **FINALLY:** Do Summary Activity.

### Class diagram of the “blueprint” class

class name
member variables and constants ex: <code>private int currentFogJuiceLevel</code>
method declarations – NO <code>main()</code> HERE!! ex: <code>public double calculateDistanceToMars(int currentPlanetID)</code>

*Draw arrows  
in this space  
to show  
method calls  
within AND  
between  
classes*

**Summary Activity (do last):** Write an additional method declaration of your own creation in one of the two class you diagrammed above. Describe below in a sentence or two the job of your new method:

### Class diagram of the “client” class that creates an instance of the blueprint class

class name
member variables
method declarations - YES <code>main()</code> HERE