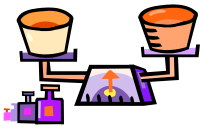
Academic Language for Science
DRAFT

Language Functions	Sentence Frames
Plan 	• If _____, then _____(will)_____. • First _____, second _____, and then _____. • I think _____ because _____. • The process of _____ involves _____. • This experiment requires _____. • The materials needed are _____.
Experiment (Experimental Design Diagram) **Conduct** **Investigate** 	• TITLE: The Effect of _____ on _____ (independent variable) (dependent variable) • HYPOTHESIS: If _____, then_____. (independent variable) (dependent variable) • The independent variable is _____. • There are _____ levels of the independent variable. • The levels include _____. • The dependent variable is _____. • The constants are _____. • NUMBER OF TRIALS: This experiment will be performed _____ times. • The results will be measured by _____. • CONCLUSION: Our results demonstrate that the effect of ____ on ___ is ___. The data (do not) show _____. If we had _____, then _____might have been___. There may be _____ errors in our data. The hypothesis was (not) confirmed by _____.
Observe **Classify** 	• The characteristics of _____ are_____. • _____ is organized by/into _____. • The physical/chemical properties of _____ are _____. • _____ belongs to _____. • _____ consists of _____. •

Language Functions	Sentence Frames
Compare **Contrast** 	• _____ and _____ are similar because _____. • _____ and _____ are different because_____. • The differences between ____ and ____ are _____. • The similarities between ____ and ____ are _____. • _____ is like _____, whereas _____is like _____. • _____ is _____; on the other hand _____ is _____. • _____ is (like/unlike) _____ because_____. • _____is _____; in contrast, _____is _____. • The similarities/differences are _____. • The advantages/disadvantages of ___ are ___. • The pros/cons of ____ are _____.
Collect **Measure** **Record** **Estimate** **Construct** 	• The volume of ____ is _____ (-liters). • The _____ weighs _____ (-grams). • The _____ measures _____ (-meters). • The voltage/amperage/wattage of _____is _____. • The results can be displayed on a _____ graph. • The best way to display _____is on a _____. • I would use a _____ to display the data. • I would record _____ on the x-axis and _____on the y-axis. • The graph/chart/table shows _____. • I estimate that _____is approximately _____.
Identify **Explain** **Describe** **Examine** **Evaluate** **Analyze** 	• The reasons for _____are _____. • The impact of _____ is _____. • The cause of _____ is _____. • The result of _____is _____. • The effect of _____is _____. • The relationship between _____ and _____ is _____. • The process of _____ is _____. • The _____model of _____shows _____. • The theory of _____ states _____. • _____ developed the theory of _____. • The function of _____ is _____. • The _____ process involves _____.