

AP Statistics Group Project - Final Assessment

Team Names: _____
 Due Date: Final Exam Day (You have **8** classes for this project, so manage your time)

2019 Gummy Bear Grading Rubric

ALL DOCUMENTS MUST BE COMPUTER GENERATED

STEP 1- The first step of this project is sharing this GoogleDoc with all team members and Ms. Groves. Make sure to give the "Project Worksheet" a unique name that identified your team.

	Who did this part? (initials or ALL)	Points
"Project Worksheet"		
<ul style="list-style-type: none"> This worksheet is a template designed to include your ENTIRE project. See Appendix 1 of the "<u>Project Worksheet</u>" for more details on requirements for this project. "Project Worksheet" parts completed prior to launch <ul style="list-style-type: none"> a) Project Worksheet- pages 1-3 (8) _____ b) Pre-Planning/Controls (Appendix 2) (6) _____ <ul style="list-style-type: none"> o In Appendix 2, clearly outline all your controls in the pre-planning part of your project. This is critical for a well-designed experiment to address all extraneous factors to ensure reliable results 		
IMPORTANT: Your Group must complete pages 1-3 and Appendix 2 "Controls," and it must be approved by Ms. Groves prior to launching your Gummy Bears.		
<ul style="list-style-type: none"> Catapult (10) _____ <ul style="list-style-type: none"> o Your team must demonstrate your catapult and explain your procedure to Ms. Groves or you will have to relaunch. "Project Worksheet" parts completed AFTER launch <ul style="list-style-type: none"> c) Project Worksheet- Section IV (10) _____ d) Raw data (Appendix 3) (5) _____ e) Summary Statistics (Appendix 4) (7) _____ f) Graphs (Appendix 5) (8) _____ 		

FINAL written report is also included in the "Project Worksheet." There are 4 parts.

<ul style="list-style-type: none"> See Appendix 1 of the "<u>Project Worksheet</u>" for more details on requirements for the Final Report. 		
1) Introduction (8)	_____	_____
o <u>Written in paragraph form</u> summarize (in English). Summary of your experiment (experimental units, factors, treatments), discuss 3 key components of your experimental design, discuss your hypothesis and what inference test used, and your confidence level and its statistical procedure used.		
2) Summary of treatment data (10)	_____	_____
o <u>Written in paragraph form</u> to summarize the results of your experiment to someone without a statistical background.		
3) Inference Analysis (12)	_____	_____
o <u>Written in paragraph form</u> summarize (in English) your confidence interval and test of hypothesis.		
4) Reflections on Experiment (6)	_____	_____
Cover (10)	_____	_____
<ul style="list-style-type: none"> Must be in color and include pictures of your design, launch, and/or teammates. Be creative. 		

Project Grade: _____

Individual's grades	Partner 1:	Partner 2:	Partner 3:
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Teacher Comments (on back)