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" • This worksheet is a template designed to include your **ENTIRE** project. • See Appendix 1 of the "Project Worksheet" for more details on requirements for this project. • "Project Worksheet" parts completed prior to launch a) Project Worksheet- pages 1-3 b) Pre-Planning/Controls (Appendix 2) (6) 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. • Catapult (10)• 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 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. See Appendix 1 of the "Project Worksheet" for more details on requirements for the Final Report. 1) Introduction Written in paragraph form 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 Written in paragraph form to summarize the results of your experiment to someone without a statistical background. 3) Inference Analysis Written in paragraph form summarize (in English) your confidence interval and test of hypothesis. 4) Reflections on Experiment (6) Cover (10)• Must be in color and include pictures of your design, launch, and/or teammates. Be creative.

Individual's grades Partner 1: Partner 2: Partner 3:

Project Grade: