**Portfolio-Notebook Checklist**

# TEAM ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**CHECK LIST (insert as index)**

Page A detailed outline of each team member’s participation in the production of the portfolio and planned production of the device

Page At least three illustrations of the initial design concepts of possible device

Page Materials used to build prototype from the pre-Challenge Kit

Page Description of the use of the principles of structural strength and stability

Page Rationale used to decide on the type of fluid power used and where to place the piston-syringes

Page Isometric hand drawing of the portion of the prototype used to grab the object

Page An orthographic drawing showing dimensions and construction notes

Page A list of alternative materials that would have been useful with reasons why they would have been so

Page Evaluation of a prototype including conclusions from making it



