

Name:

Date:

Class:

Ping Pong Ball Retriever Engineering Challenge Worksheet

ASK: What problem are you being asked to solve? What is the need? What are the constraints?

RESEARCH: What are common Egyptian materials?

IMAGINE: Sketch at least TWO different designs for your reusable prototype.

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PLAN: Get together with your engineering group and sketch out one prototype. All group members' sketches should be the same.

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CREATE: Work with your group to build your first prototype following the rubric guidelines.

TEST and IMPROVE

With your teacher's approval, pick up a tub of ping pong balls and get started testing and improving.

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Final Rubric

	Expectation Not Met	Expectation Partially Met	Expectation Met	Score
Explain how you used the engineering design process	0	1	2	
Picks up balls	0	1	2	
Users' needs considered	0	1	2	
Use of common Egyptian materials	0	1	2	
Aligns to at least 2 SDG goals	0	1	2	