



Academy of
Applied Science



RESCUE RAPUNZEL

Lab Notes

Rules and requirements for your design:

- You may not use more than 6 feet of string
- You must attach the device to the top of the tower
- You must attach the device to the bucket (container or tray)
- Your pulley should be able to lift a bucket (container or tray) holding at least 10 pennies a distance of at least 10 inches.

Draw a picture of your design.

How will you attach the pulley to your tower?

**How can you change your design so that it can lift more weight or lift a longer distance?
Make notes and/or draw pictures of your ideas.**