

Pre-Launch Space Balloon Checklist

Construction:

- ☐ Are your lines the proper length?
- ☐ Are your lines in the correct place and not tangled?
- ☐ Are all of your knots on your lines secure and have they been tested?
- ☐ Does the payload contain a secure location for the camera without any lense obstructions?
- ☐ Do you have a solution for securing the Spot GPS tracker near the top of the payload?
- ☐ Have you successfully tested your parachute with 2000 grams weight?
- ☐ Do you have a rip line with weight securely fixed to the end?
- ☐ Have you placed your foil reflector on the rip line?
- ☐ Has the payload been painted a bright color?
- ☐ Has "Student Project" been written on the payload?
- ☐ Does the payload have the advisor's name and phone number written on it?
- ☐ Did you name your payload?

Right before launch:

- ☐ Are your lines in the correct order and untangled?
- ☐ Are the knots in your lines secure and tested?
- ☐ Are the people handling the balloon wearing rubber gloves?
- ☐ Did your team use the approved website to predict the burst and descend location?
- ☐ Did you use the approved website to ensure that no air traffic is in the area?
- ☐ Does the payload contain insulation and hand warmers?
- ☐ Did you power on the Spot GPS tracker?
- ☐ Does the camera contain an SD storage card?
- ☐ Did you power on, place and press record on the camera?
- ☐ Is the Spot GPS tracker fully charged?
- ☐ Is the camera fully charged?
- ☐ Did you securely tape down the lid of the payload?

Final Checklist before launch

- ☐ Parachute
- ☐ Plastic bottles to float
- ☐ Reflector and decor/naming/contact info
- ☐ Weighing and calculation ascending m/s: Website predictor.
- ☐ Launch measure - broomstick 6 inches
- ☐ Pre launch checklist.
- ☐ Camera recording time delay pictures and batteries