



Science Heads Inc. a 501(c)(3) Non-Profit

## **HAB4 Experiment Preparation / Submission Checklist**

### **Confirm that the experiment conforms to the proposal that was submitted:**

- Dimensions – fits within 6 in x 5 in x 1.25 in space.
- Weight is < 1 lb.
- Experimental materials and components used matches the proposal. Document any and all deviations.
- Special arrangements for mounting in the payload communicated to Science Heads.
- Communicate any discrepancies to Science Heads via Richard Stember (see contact info below).

### **Assemble and test if necessary experiment prior to delivery to Science Heads.**

- Provide new batteries if needed.
- Test power source, sensors, computers if appropriate.
- Check seals on containers, bags, boxes etc. Bags have been provided that you may use to seal your experiments.
- Label your experiment with experiment title and school. If multiple bags are needed then each bag should be identically labeled.

### **Document any Day of Launch Procedures to be done by the launch team:**

- Assembly.
- Orientation and installation in the payload.
- Pre-Launch Testing.
- Provide instructions prior to November 8<sup>th</sup> to Science Heads.

### **Arrange for Confirmation of Compliance and Pickup**

- Contact Richard Stember (Cell 949-616-9481, email: [richard@scienceheads.org](mailto:richard@scienceheads.org)) to schedule pickup.
- Experiments and instructions must be provided to Science Heads no later than 5 pm on November 6<sup>th</sup>.

### **Prepare Posters and Table Top Displays**

- Student scientists are invited to display posters and materials about their experiments on Launch Day.
- One table will be provided for each group of experiments.

### **Send Invitations for the Launch Event**

- Invite your other students, teachers, family members and friends to the launch.



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## HAB4 Day of Launch Information

Science Heads High Altitude Balloon launches are free and open to the public. Student scientists, their peers, parents, family and friends are all welcome to attend. Feel free to advertise the launch at your school. It is a wonderful school spirit - team building event. The spot light is on you and your experiments!

**Launch Site:** City of Lake Forest Sports Park, 28000 Rancho Pkwy, Lake Forest, CA

**Event Time:** Site opens at 9:00 am. Launch target: 10:00 am. End of event 2:00 pm.

**Date:** Saturday, November 9<sup>th</sup>, 2019

- **All student experimenters should check-in by 9:00 am** at the Information Desk and pick up their Launch Day Package. This package includes ID badges, table assignment and final instructions. The badges are yours to keep. They will provide you access to areas reserved for students and the HAB launch team. Wear these badges at all times during this event.
- **Arrive early** and give yourself enough time to set up experiment related posters and materials on the table assigned to your student team.
- **Bring a presentation board that describes your experiment:** Your team is invited to setup a presentation table and describe your experiment to launch guests. Tables will be provided.
- **Identify your team leader to the LOPS (Launch Operations) Team leader.** The LOPS Team Leader will work with your team to prepare your experiment for the launch including power up, testing and re-loading in the payload if necessary.
- **Do not enter the Launch Zone without permission.** A LOPS team member will escort you into the Launch Zone if you are needed. LOPS Team members will be wearing a Red colored badge with the letters "LOPS."
- **Bring food and water and appropriate clothing** for the anticipated weather conditions.
- **The launch will proceed only if weather permits.** Rain, wind and other conditions may require the launch to be rescheduled. The LOPS Team will notify your teacher or mentor before the day of launch if it is likely to be delayed. The HAB launch is scheduled to occur at 10:00 am.
- Monitors will display the location of the HAB in real time. If you are not able to attend you can track the HAB at <https://aprs.fi>. Search for HAB4's call sign KM6HCB-11.
- RCOM (Recovery and Communications) Team members will be present in the Command Post Trailer. You will be able to listen in to their radio communications and monitor the recovery process. Recovered experiments will be returned to your teacher/mentor.