



# Ironwood's Scientific Ballooning Project

**Maine Space Grant  
Annual Meeting**

Thursday, Oct 14, 2010



# Maine Space Grant

Thursday, Oct 14, 2010



## Iron Sat

1. What is Ironwood?
2. Why Ironwood?
3. How was ballooning fit into the schedule?
4. Description of students involvement.
5. What experience meant to students.
6. Long term plans.





Iron  
Sat

# What is Ironwood?

Ironwood is a small residential high school on the side of Frye Mountain in rural mid-coast Maine. Other activities include: horseback riding, dog training, horticulture, and field trips to a variety of attractions in Maine. Education is individual and intense.





# Why Scientific Ballooning at Ironwood?

Relationship between Dr.  
Shehata and school  
directors

Commitment of school  
directors to the project

Teacher's positive past  
experience with MSGC's  
Jana Hall

Why Not?



Iron  
Sat





# Scheduling Ballooning Activities

Iron  
Sat

- Individual academic programs and intensive morning academics lead to flexibility
- Suitable for a wide variety of science capability
- Commitment from management and other stakeholders





# Student Involvement

Iron  
Sat



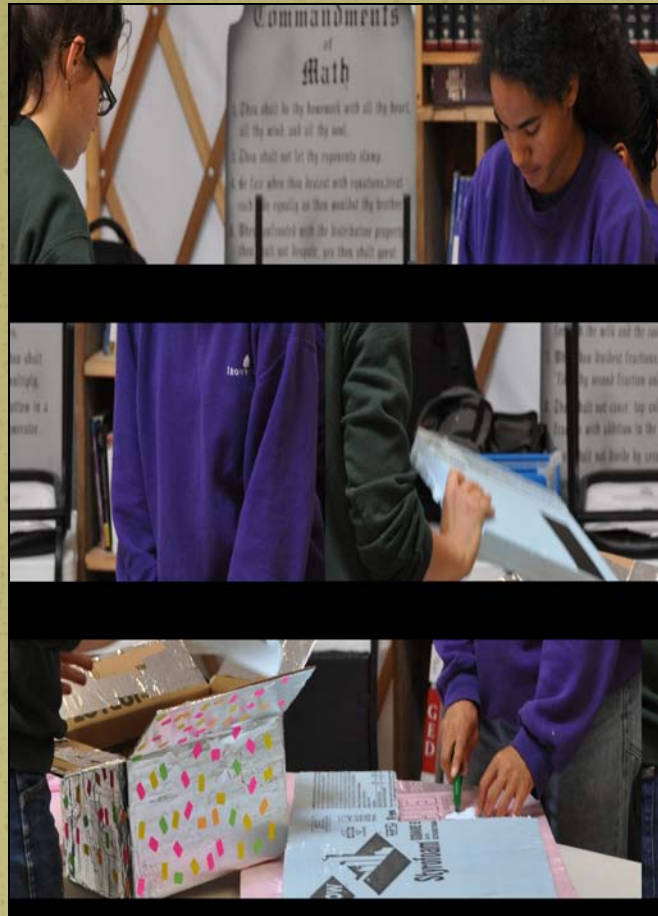
Payload Design





# Student Involvement

Iron  
Sat

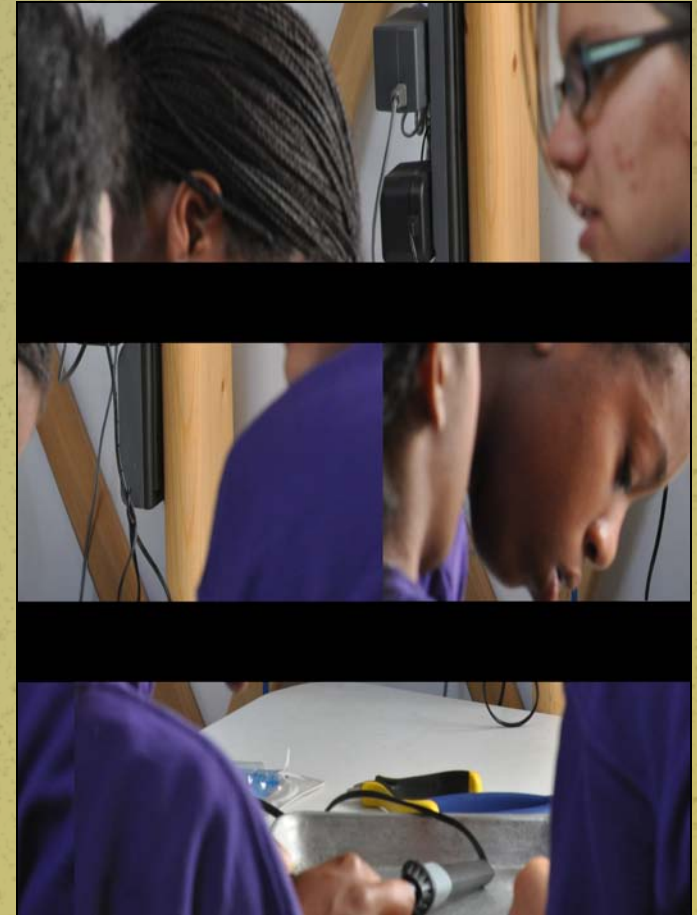
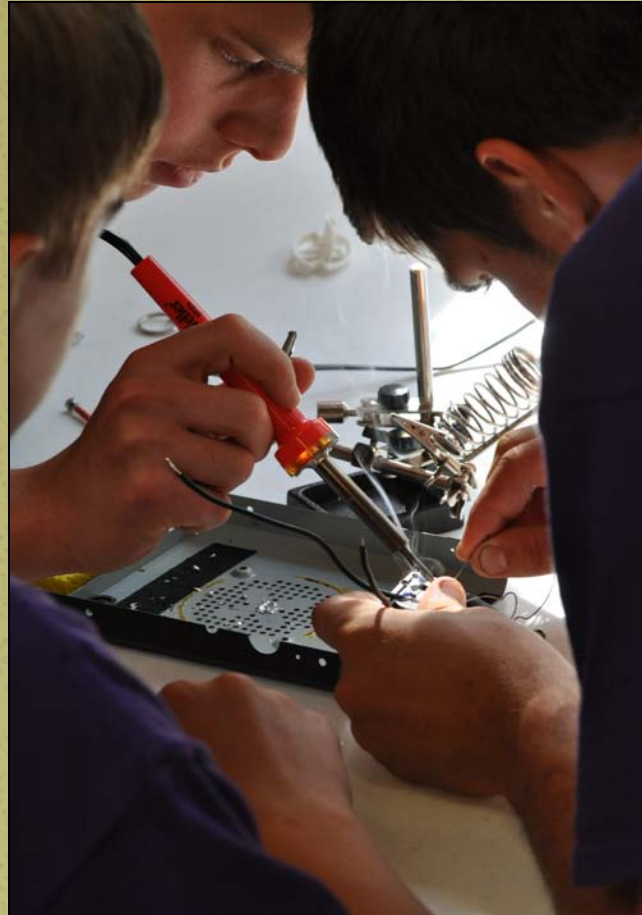


Payload Insulation



# Student Involvement

Iron  
Sat



Soldering







# Student Involvement

Iron  
Sat



Launch Day - Inflation



# Student Involvement

Iron  
Sat

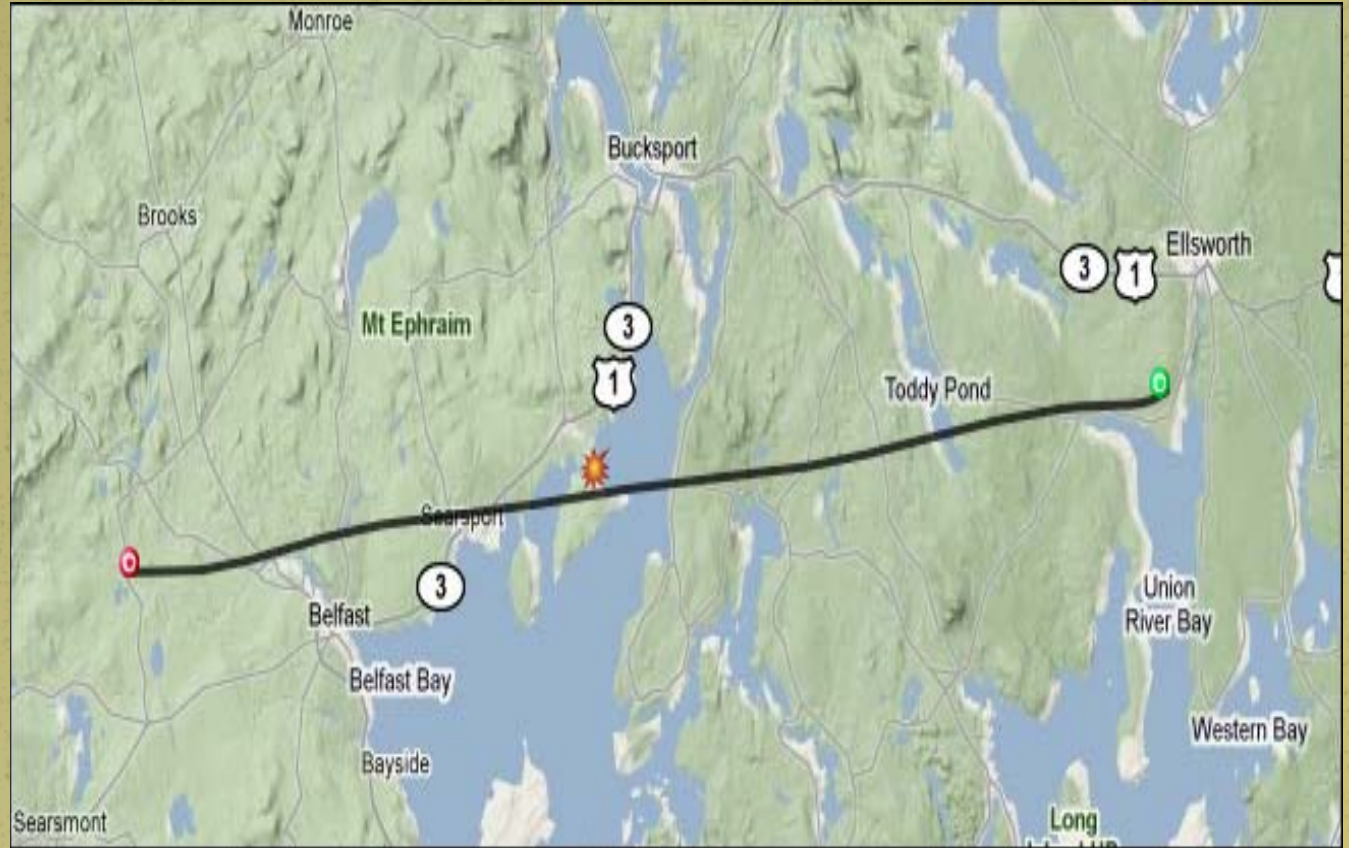


Launch Day - Release



# Student Involvement

Iron  
Sat



Predicted Track





Iron  
Sat

# What the Project Meant to Students





# Where to Go from Here

Iron  
Sat

Keep  
Reaching  
for the  
Stars!



# Want to know more?



## Iron Sat

### Ironwood School

Larry Reynolds

Education Director

Phone: 207-342-2487

[larryr@ironwoodmaine.com](mailto:larryr@ironwoodmaine.com)

