**Great Space for Girls**

**Last updated: 3/6/2011**

* Schedule
	+ Saturdays: 4/2, 4/9, 4/ 16
		- I know the last one is Spring fair wknd but It will be a short day with just about 1hr with the starlab and evaluations and closing comments
		- Possible alternative, move last one to the preceding Friday 4/15 since the event allows for up to 120 kids anyway, we could have it for the whole middle school class and be done before Spring Fair and Barclay Spring Break starts!
	+ Mornings: 10am – 12p/1p
	+ Last day Special Event: MSC brings Starlab (indoor planetarium)
* Location: Barclay Middle School Gym
* Transporation: 15min walk
* Participants
	+ Barclay Middle Girls: ~20
		- (maybe more since we have larger budget and Starlab accomadates a lot of kids
	+ Hopkins Volunteers ~10
		- Aim for 1 to (3 to 5) ratio
	+ Planning Committee
		- Ami, Blaze, Chorong, Kristin, Kelly
* Style:
	+ short interactive lecture (~20min)
	+ hands-on activity
* Costs
	+ Materials
		- Rocket launch kits
		- Materials for activities
	+ Visit from Starlab (Maryland Sci Center) > $550
	+ Snacks/lunch
	+ Closing prizes
	+ T-shirts? (if funding allows)
		- to motivate student volunteers
		- keepsake for participants (all)
* Sources of Funding $1,000
	+ Faculty Involvment Grant >> must adversise as sponsor and take pics!!!
	+ Small donation from CEO speaker guy
	+ Food: Chipotle, Pizza ppl, Subway ????
* Volunteers
	+ AED > must come to one
	+ IEEE
	+ Kristin Stem Cell group
* Speakers/presentors
	+ Dr. Haase (BME)
	+ Dr. Foster (ECE)
	+ Maryland Science Center (Starlab)
	+ Allen Herbert, CEO of Phezu, Maryland’s 1st Black-owned commercial space Co. \*keynote

To Do:

* Send fundraising letter to business for food donations
* Create sign-up sheet/permission letter/ invitation to parent for kids > send out **by 3/14**
* Create flyer for Hopkins and Barclay > send out **by 3/14**
* Downsize to 3 Saturdays due to scheduling conflicts
	+ Barclay Spring Break: 4/16 – 4/24
	+ Spring Fair and JHU HC 4/16
	+ Alumni wkd: 4/29
* Design T-shirt + order > **by 3/14**
* Buy materials > **by 3/19**

**Tentative Schedule: 4/2 , 4/9 , 4/16**

**Day 1: Keynote speaker > CEO of Phezu company**

**Day 1: The Body and Space: build space suit and discuss food in space**

Hubble activity: design robotic arm and space suit > then build it

Solar Oven w/ hot dogs (Lunar Nautics guide) <http://www.nasa.gov/pdf/200173main_Lunar_Nautics_Guide.pdf>

Intro video: Scratch your nose in a space suit: <http://brainbites.nasa.gov/#/scratch-nose-in-spacesuit>

+ combined with the body in space lecture (Haase)

**Day 2: Rockets + rocket launches > “it’s only rocket science”, competition for farthest rocket + (Foster)**

Using Math and Science to Plan for the Next Generation of Spacecraft

<http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Using_Math_and_Science_to_Plan.html>’

**Day 3: Starlab $550 > go to space**

reservationist 410.545.5968

+ Parting evaluations and gifts

* + Tickets to Hubble in 3D
	+ Certificate of completion with your name on next rocket launch
	+ Put your face in space certificate
	+ Badges/patches/spacesuit (ugh)