But First…

- Yesterday was “Back to the Future” day…
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But First...

- But long before the first movie was released in 1985, when I was in high school...
But First…

- One of my favorite shirts to wear to impress the ladies was this one…

...Until
Gateway To Space

ASEN 1400

Class #15

Colorado Space Grant Consortium
Today:

- Announcements

- One Minute Report Answers

- In Class Team Day
Announcements:

- Community Service Approvals due today
  >Please turn in and I will return next Tuesday approved (or not)

- New grades posted
  >Tons of questions about homework (more than in the history of the class)

- New Syllabus Rev B

- Insulation and other supplies
Mission Sim Day:

- One person per team come up with BalloonSat
- Line up like launch
- Turn them on when I tell you
- Let them run (at your table) until end of class

- I don’t expect it to be fully operational
- I do expect it to do something
- It must do everything by the following week
One Minute Report Questions:

- Is it better to change to mechanical engineering instead of aerospace for space job opportunities?
- Can you switch jobs if you don’t like them?
- Do satellites need generate heat or just radiate it?
- Does SG have projects year round?
- Do you get assigned a project?
- Can we get a 3rd Arduino?
- Should we be worried about overheating our BalloonSat?
- Does the heater melt the insulation?
- Is there an aspect of BalloonSats that commonly fail?
One Minute Report Questions:

- Can heat generate electricity?
- Can our BalloonSats have shiny thermal shielding?
- Can temp sensitive instruments be damaged by thermal if they are off?
- Can thermal engineers design or just analyze?
One Minute Report Questions:
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- How important is it to specialize in an area of Aerospace?
- Did any of CU astronauts take this class?
- The next time I meet Elon Musk, can I attend?
- If I don’t get an internship this summer, what can I do to strengthen my resume to compete with those that did?
- What kind of thermo lining do space suits have?
- How is internal heat transferred to the environment?
- How does radioactive affect spacecraft?
Questions?
Next Tuesday

SIMBA and HELIOS IV Student Presentations (35 minutes)

In Class Team Time (~35 minutes)
Next Thursday

In-Class Mission Simulation
+ Spider