

Formulating Your Recommendation

Science for Policy Seminar

November 10 and 12, 2014
Columbia University – Applied Physics

Your Task (*Part 1 of 3*)

- Read and understand your charge
- Assign research tasks:
 - ➔ One page & one figure summaries of each reference
- Review and understand status
- Formulate and propose (in writing) policy options
- Discuss and understand each option within your Team
- Arrive at “consensus” recommendation consisting of one, or more, concisely stated recommendations

Your *Modus Operandi*

- Understand the “big picture” technically and programmatically
- Be yourselves: *young applied physicists embarking on your futures*
- Your personal opinions matter, but *you must be able to justify and to explain them*
- Team effort: *always listen to your classmates but never hold back your ideas and suggestions*

Red Team Assignments

- Read and understand your charge
- Assign research tasks:
 - ➔ One page & one figure summaries of each reference

1. What are the activities of **NASA's Orbital Debris Program Office**?
2. How does President Obama's **2010 National Space Policy** advance a scientific and technical strategy to prevent and deter accidental or deliberate aggression against U.S. space infrastructure?
3. What are the relevant policy recommendations contained in the **2011 National Security Space Strategy**?
4. What are the national and international laws pertaining to the conduct of space activities? (See **National Space Studies Center**.)
5. What are the current U.S. policies regarding the commercialization of space? (See **U.S. Office of Space Commercialization**.)



NASA Orbital Debris Program Office

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the WHITE HOUSE PRESIDENT BARACK OBAMA



BRIEFING ROOM

ISSUES

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NATIONAL SECURITY SPACE STRATEGY



Office of Space Commercialization

Helping U.S. businesses use the unique medium of space to benefit our economy

White Team Assignments

- Read and understand your charge
- Assign research tasks:
 - ➔ One page & one figure summaries of each reference

1. (and 2) What are STEM recommendations from the 2013 report from the NSTC: **The Federal Science, Technology, Engineering, and Mathematics (STEM) Education Portfolio?**
3. What are the STEM recommendations made in 2010 by the National Science Board: **Preparing the Next Generation of STEM Innovators: Identifying and Developing Our Nation's Human Capital?**
4. What are the national laws pertaining to the formulation of national STEM policy called for in the **America Competes Reauthorization Act of 2010?**
5. What are the recent actions and investments made by President Obama's Administration advancing and improving STEM education and research.



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SUPPORT FOR
HIGHER EDREFORM FOR
THE FUTURE

H. R. 5116

One Hundred Eleventh Congress of the United States of America

AT THE SECOND SESSION

*Begun and held at the City of Washington on Tuesday,
the fifth day of January, two thousand and ten*

An Act

To invest in innovation through research and development, to improve the competitiveness of the United States, and for other purposes.

SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

(a) SHORT TITLE.—this Act may be cited as the “America COMPETES Reauthorization Act of 2010” or the “America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science Reauthorization Act of 2010”.



How to get assignments done by *Next Week*?

- Everyone: *Volunteer*
- Team chair: *Make certain all assignments covered by at least one volunteer. Keep a record of assignments.*
- Prepare one-page & one-figure summaries for each assignment
- Work by email
- *Send copies to me before next Monday*