I. Group Project for Asteroid Collisions

All projects require analysis and comparison of ECO mitigation systems found in the Air Force study in your packet entitled "Planetary Defense: Catastrophic Health Insurance for Planet Earth." (Pages E22–end).

By Monday Dec 11, each group is to submit, preferably in Word (alternate: html code), the answers to #1 and #2. These will be posted on Blackboard. In class on Tuesday 12th, each group will give a brief statement of their preferred option, and argue with other groups that theirs is best because... (Class members can ask questions or offer opinions/reasons).

Each group now has a Blackboard Small Group location identified by campus.

FYI, the cost of any project must be seen in the alternative uses of that money.

NASA	\$14.2 Million	Trident II Strategic Sub	\$6 B	
Environmental Protection Agency	\$ 7.2 B	Aircraft Carrier	\$4 B	
Public Health Service (includes CDC)	\$21 B CDC= \$3 B	Aegis Cruiser	\$2 B	
US Defense Dept	\$270.8 B	US Energy Dept. budget	\$18.9 B	
National Science Foundation	\$4.6 B	National Institute of Health budget	\$14.7 Million	
Group One: UW Baraboo	Driver/Reacti	1) Compare Kinetic Energy system with a Force Shield, and Mass Driver/Reaction Engine: pros/cons including strictly-US endeavor or cooperative international project.		
Student 1	or cooperative			
Student 2	2) Which was			
Student 3		2) Which would you recommend and why.?		
Group Two: UW Marathon		1) Compare Propulsion system with Gravity Manipulators and Solar Sails: pros/cons including strictly-US endeavor or		
Student 4 Student 5		cooperative international project.		
Student 6	2) Which wo	2) Which would you recommend and why?		
Group Three: UW Rock	1) Compare	1) Compare Laser system with Solar Sails, and Magnetic Field: pros/cons including strictly-US endeavor or cooperative		
Student 7		international project.		
Student 8				
Student 9	2) Which would you recommend and why?			
Student 10				
Group Four: UW Marathon				
Student 11		with Solar Collector, and Tractor Beams: pros/cons		
Student 12	including strictly-US endeavor or cooperative international		e international	
Student 13	project.			
Student 14	2) Which we	2) Which would you recommend and why?		
Group Five: UW Waukesha	eater: pro	1) Analyze and evaluate Microwave system with ECO- eater: pros/cons including strictly-US endeavor or		
Student 15	cooperat	ive international project.		
Student 16				
	2) Which would you recommend and why?			
		Would you be willing for the US to finance and develop the full		
		PDS plan suggested by the Air Force on p. E29? Just R&D or full deployment? All or just part of it, and which part?		
Class Discussion following reports:		upport it (any part of it) if the US untries paying some and their scien		
Clace Discussion following reports:	llin the project	7 W/hv/9		