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## Astronaut Application Form 2006-07

Name:	Grade:
Email:	
Forum Name:	
Class Schedule:	
Semester 1	Semester 2

Last year's academic average: Recent science courses and final standing:

The mission commanders promise not to use this information to blackmail you. No! Really; we promise!

## All steps must be shown for full marks. No programmable calculators permitted. 1. What is the Mission Destination? (1 K/U)

- 2. Why do you want to go there? (3 C)
- 3. Are you a nice person? Justify briefly. (2 A, 2C)
- 4. What have you done for Spacesim? (2 A)

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5. What do you hope to contribute to the mission as an astronaut? (4 TIPS)

- 6. The position of a falling object is given by the function  $s(t) = -4.9t^2 + 20 t$ .
  - a) What planet are you on? Justify your answer. (2 KU)
  - b) How much would a 20kg generic bloc-of-physics weigh on that planet? (4A)

- 7. Do you play either Red Alert 2 or Sim Tower on a regular basis (Y/N)? (1 C)
- 8. If your Commander decided to sing for the entire mission, would you mutiny? Justify your answer. (2 TIPS)
- 9. What is Sto'vo'kor? What culture is it from? Where is that culture centered? (6 K/U)
- 10. Draw your ideal Astronaut Commander. Alternatively, draw a fish, everybody likes fish! (Bonus: Draw both!)(4 K/U)

11. Include any plans for world domination. Mind control chips, alien friends, hijacking nukes, etc. will not be accepted. It must be original, and explained in your own words. Actually, just include a proposal for an experiment that you would like to conduct on the mission, instead. You must prove that it is both feasible, and worthwhile. Remember that you may be responsible for it, and all related materials. Your experiment must pass the 'common sense' criteria for complexity, so KISS\*! ([m tan(n)] TIPS)

\*KISS = Keep It Simple, Stupid

13. Identify and whack this mole.  $(^{.})^{\wedge}$  (A 5)