

NFMS SPACE SHUTTLE PROGRAM

TECHNOLOGY / COMPUTER SPECIALIST APPLICATION

Congratulations on deciding to apply for the technology / computer specialist position with the NFMS SPACE Shuttle Program. Please read the following information carefully and be sure you have the time and the motivation to dedicate to this project. This is a very demanding position and will require a tremendous amount of your personal time. You must maintain good grades in all of your classes. Remember....NO PASS, NO FLY! You will be representing the students of your school as well as our community.

Eight (8) technology / computer specialist will be chosen. Selection will be based on this application and teacher recommendations. (Keep it neat!) Put forth your best effort in preparing and completing this form. Your completed application must be turned in to Mrs. Evans on or before March 31, 2005. **NO** late applications will be accepted.

JOB DESCRIPTION FOR TECHNOLOGY / COMPUTER SPECIALIST

Technology / Computer specialist are responsible for the computer communications and technical component of the simulated mission. These specialists will work with the software and the video equipment necessary to communicate necessary information between mission control and the shuttle. You should have a very good understanding of computer hardware and software; be able to work with computer components; and have a very good understanding of a video camera, monitor, VCR, projectors, and other types of electrical equipment. There will possibly be a couple days after school when you will be working with these programs and equipment to become familiar with how they work. We need confident students who will see this project through to a successful completion. You will have numerous responsibilities and a very important position.

RESPONSIBILITIES BEFORE THE MISSION:

Before the mission, computer programmers will brainstorm to develop a list of the mission's possible computer needs. We will possibly be working with local business personnel as well as other faculty members on this portion of the project. You will work with the mission control commander to design the mission control area. You will conduct training sessions for astronauts to learn how to use software and technical equipment during the mission.

RESPONSIBILITIES DURING THE MISSION:

During the mission, technology / computer specialist will monitor and maintain the computer communications system hardware and software as well as all the technical equipment used. These specialists are responsible for developing the sequence of events and recording all aspects of the simulated mission.

RESPONSIBILITIES AFTER THE MISSION:

Computer / technology specialists will be required to help disassemble the computer communications system and video equipment; inventory all equipment, and help pack it up and return to correct locations. These specialists will finalize all computer reports on experiments and data collected and print out final copies of mission data and submit a final written review of the mission and all original copies of video tapes recorded.