



NETWORK DESIGN

SAMPLE ROLE PLAY 1

Disclaimer: This is a sample role play of what a competitor will find in this competition. To view the official guidelines, visit the Competition page of the national website at www.fbla.org.

PARTICIPANT INSTRUCTIONS

1. You have 20 minutes to review the case.
2. Presentation time is seven minutes. At six minutes the timekeeper will stand and hold up a colored card indicating one minute is left, and at seven minutes the timekeeper will stand and hold up a colored card indicating time is up.
3. The presentation is interactive, and the judges will ask questions throughout the presentation.
4. Each team member will be given two note cards. A flip chart also will be available. Note cards and flip chart pages will be collected following the presentation.
5. All members of the team must participate in the presentation, as well as answer the questions. Cover all the points described in the case.

PERFORMANCE INDICATORS

- Logical solution is selected and presented with positive and negative aspects of its implementation given
- Alternatives are recognized with pros and cons stated and evaluated
- Thoughts and statements are well organized and clearly stated; appropriate business language is used
- Demonstrate ability to effectively answer questions and interact with judges

ROLE PLAY SITUATION

Tomorrow's Future Preschool is located in a rural community serving approximately 40 children. The preschool has 10 computers loaded with a variety of games designed for teaching basic skills to preschoolers. In addition, there is one computer set up with administration software and student records. None of the computers are currently networked. In the surrounding area, there are four other towns varying from 20 to 50 miles away. Marsha Williamson, owner of the preschool, would like to open a preschool center in the other four communities. She would like to start with 5 student computers and 1 administration computer with ability to print from the administration computer. She would like the records of all the students to be shared with all of the administration computers, so students could attend any of the preschools. The information being shared on the administration computers is highly sensitive; therefore, security should be of high concern. Ms. Williamson would like the systems at each preschool to be connected internally and externally between all the preschools. Each preschool will need the administrator computer connected to an ink-jet scanner/copier/fax/printer machine. All of the student computer games and administrator software have already been purchased.

Ms. Williamson has contacted you requesting a proposal showing how you would bring her vision of the four new preschools, and getting her preschool connected, into reality. She is writing a grant to receive funding for the project; therefore, Ms. Williamson has also requested a price breakdown and overall cost of the project so she can use those projections in her grant.

Project requirements:

- There must be a high level of security for all systems connected
- Five of the computers at each preschool will be available for student use and should have access to the internet.
- The other computer will be for administration.
- The printers will be networked.
- Provide for limited downtime at the main preschool when the new preschool's come online.
- Provide a suite of software for all communications, email, fax, printing, and Word Processing. The gaming and administration software has already been purchased.
- The network must be configured so that it can be managed from an off-site computer.
- Prepare your proposal so that it has costs for all the software, network hardware, NIC cards and all wiring.
- The costs must be kept relatively low as the funding for the project will come from a grant.

Complete your proposal including costs for computing equipment, network infrastructure, network servers, printers, and related hardware, software, and accessories. Include as much detail as possible as well as justification as to your selections. Diagram and explain your physical network and computer design as well as the logical network design (server installation, domain layout, etc.).