Instructional Scenario
Cloud-Based Solutions

Course/Duty Area: Computer Information Systems/Communicating Through Technology

Scenario:
TechSavvy Enterprises, a small but growing marketing company, is struggling to manage its increasing workload and collaboration needs. Employees complain about outdated software and the difficulty of accessing files when working remotely. The CEO has tasked the IT department with recommending a cloud-based solution that will help the company collaborate better, store data securely, and reduce IT maintenance costs. Your team has been hired as consultants to provide a cloud-computing solution tailored to the company's needs.

Big Question:
How can TechSavvy Enterprise use cloud computing to improve collaboration, data accessibility, and efficiency in a cost-effective way?

Focused Questions:
- What are the key features of cloud computing services, and how do the most popular services differ from one another?
- What are the advantages and disadvantages of using cloud-based tools in a business setting?
- How can cloud computing support project management and remote work for employees?
- What steps should a business take to ensure data security and privacy in cloud-based systems?
- What are the long-term financial and operational implications of transitioning to cloud computing?

Student Project or Outcome:
Students will create a detailed Cloud Computing Proposal for TechSavvy Enterprises that includes
- A comparative analysis of two popular cloud computing services (e.g., Google Workspace and Microsoft 365)
- recommendations for software tools to support collaboration, remote access, and project management
- a cost-benefit analysis of implementing the recommended solution
- security measures to protect sensitive business data
- a mock presentation of their findings to TechSavvy Enterprises executives (role-play activity).

Project-Based Assessment:

Students will be assessed on the following.

- **Written Proposal**: Clarity, thoroughness, and alignment with business needs
- **Presentation**: Professionalism, use of visuals, and persuasiveness (peer and teacher evaluation)
- **Problem-Solving Skills**: Ability to address real-world challenges such as data security and cost
- **Collaboration**: Teamwork during the research, planning, and presentation phases

Teacher Resources:
- [**Get started, Search Cloud Computing**](), TechTarget

- **Rubrics**

    - **Cloud Computing Proposal Rubric**
    Criteria include
        - depth of research (e.g., cloud services comparison)
        - cost-benefit analysis
        - feasibility of the proposed cloud solution.
    - **Presentation Rubric**
    Criteria include
        - clarity of explanation
        - quality of visuals
        - persuasiveness of argument.

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