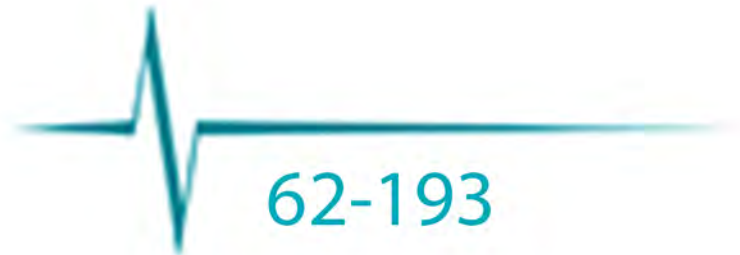


Practice Exam Questions



Technology Literacy for Educators



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Exam 62-193

Technology Literacy for Educators

Version: 6.0

[Total Questions: 41]

Topic break down

Topic	No. of Questions
Topic 1: Case Study 1	8
Topic 2: Case Study 2	5
Topic 3: Case Study 3	6
Topic 4: Case Study 4	5
Topic 5: Case Study 5	8
Topic 6: Case Study 6	5
Topic 7: Case Study 7	4

Topic 1, Case Study 1

Overview

General Overview

You are a history teacher at a school that has students between the ages of 11 and 18.

Description of Students

Your class contains 30 students who are 12 and 13 years old.

Learning and Teaching Environment

The school has the following Information and Communication Technology (ICT) resources:

- ✍ Two networked computer labs that each contains 30 desktop computers. All of the computers are connected to the Internet through a Web filtering firewall. All of the computers are connected to a pool of printers and to a flatbed scanner.
- ✍ 16 laptop computers that have a wireless connection to a pool of printers and to the Internet.
- ✍ Five digital cameras, two video cameras, and one digital voice recorder.
- ✍ Video-editing software installed on all of the computers.

A Learning Management System (LMS) used for the following tasks:

- ✍ The students use the LMS to submit their work, access resources uploaded by the teachers, communicate with their teachers, and access discussion forums.
- ✍ The teachers use the LMS to upload resources for the students, assign homework, collect assignments, and grade their students' work.
- ✍ The school administration uses the LMS to create schedules and to track student performance data.

Planned Changes

You plan to help the school make better use of its existing ICT resources. The school administration also asks you to identify opportunities to use the ICT resources during your history lessons.

Teacher Problem Statement

The school reports that neither the teachers nor the students use the ICT resources. Also, when the ICT resources are used, they are often used for tasks that do not enhance learning.

You inform the school administration that you are interested in using new technologies during your lessons. The administration asks you to find opportunities within your subject area to develop the use of ICT resources.

Student Problem Statement

The students report that they often find historical sources in a foreign language, which hinders them from completing their assignments.

Objectives

Learning Objectives

Develop the students' understanding of past societies and of how these societies shaped the world during the twentieth century.

Professional Development Objectives

You identify the following professional development objectives:

- ✍ Develop new approaches to using digital technologies for the teaching of history.
- ✍ Develop new approaches to using source materials for the teaching of history.

Organizational Goals

The school plans to increase the use of technology during teaching.

Planned Activity

You plan to run a learning activity that will include the following tasks:

- ✍ The students split into small groups, and each group identify a theme or a historical event.
- ✍ The students select and edit digital images that illustrate the theme or the event.
- ✍ The students create a poster to demonstrate their learning.
- ✍ The students display their posters to their peers.

Question No : 1 - (Topic 1)

You have to recommend a solution to help the students solve their problem regarding the historical sources. The problem must be solved as quickly as possible.

What should you recommend?

This item is part of a case study. To view the case study information, click on the Case Study button below.

- A. Modify the language settings on the students' desktop or laptop computers.
- B. Email the source text to a language teacher at the school.
- C. Use an Internet-based translation tool.
- D. Use a social networking site to connect with students in other countries and upload the text to the social networking site.

Answer: C

Question No : 2 - (Topic 1)

You are a teacher at a secondary school. You work closely with the school administration.

A group of parents questions the large sum of money that the school invests in Information and Communication Technology (ICT) resources.

You are requested to prepare a response on behalf of the school.

On which argument will you base your response?

- A.** Modern economies increasingly require a workforce that has good typing skills, so the school must try to incorporate computers into all its activities.
- B.** Modern economies are increasingly based on knowledge and information, so students must learn the skills required to handle information.
- C.** The business sector in modern economies increasingly expects schools to produce students who are qualified in financial knowledge.
- D.** Modern economies increasingly depend on the growth of the computer manufacturing industry, an economic sector that schools must support.

Answer: B

Question No : 3 - (Topic 1)

What is the primary benefit of increasing the use of ICT resources during the history lessons?

This item is part of a case study. To view the case study information, click on the Case Study button below.

- A.** The students will have access to a greater range of learning resources.
- B.** The students will more easily and quickly submit their assignments.
- C.** The students will stay on task throughout the lessons.
- D.** The students will deliver assignments that are clearer and more presentable.

Answer: A

Question No : 4 - (Topic 1)

You are a teacher at a primary school. Your students are 9 and 10 years old.

Your classroom contains one desktop computer. Each student gets a 15-minute turn using

the computer. The computer is always being used during class hours.

A new student with a physical disability joins the class. The student will need to complete his writing tasks on a classroom computer until he gets his own laptop computer.

What is the least disruptive and most equitable solution?

- A.** Borrow a desktop computer from the school administration.
- B.** Provide the new student access to the classroom computer after class hours.
- C.** Provide the new student priority access to the classroom computer.
- D.** Maintain the existing rotation schedule for the classroom computer, and then pair the new student with other students during their turn on the computer.

Answer: A

Question No : 5 - (Topic 1)

You teach a class of 20 students. Your classroom contains six computers.

You run an activity that is carried out mostly on paper.

Before the end of the activity, the students will require access to the computers.

Which lesson structure should provide the best learning experience for the students?

- A.** Create several different activities that require the computers at different stages during the lesson.
- B.** Execute the computer-based portion of the activity as a class demonstration.
- C.** Modify the tasks of the lesson so that only some of the students require access to the computers.
- D.** Have all of the students perform the same activity and instruct the students to take turns using the computers.

Answer: D

Question No : 6 - (Topic 1)

As an extension activity to the planned learning activity, you ask some of the students to contact external experts to gather additional information about the historical events.

You want to ensure that the students use an appropriate means of communication when they contact the experts.

What should you advise the students to use?

This item is part of a case study. To view the case study information, click on the Case Study button below.

- A. their personal mobile phone
- B. an anonymous online forum
- C. a generic email account of the school
- D. their social network account

Answer: C

Question No : 7 - (Topic 1)

You plan to have an expert speaker address the students about a recent historical event.

Which two possible ICT resources should you recommend that the students use to create an accurate record of the speaker's statements? (Each correct answer presents a complete solution. Choose two.)

This item is part of a case study. To view the case study information, click on the Case Study button below.

- A. the digital voice recorder
- B. the LMS
- C. an Internet connection
- D. a digital camera
- E. a video camera
- F. the flatbed scanner
- G. the printers

Answer: A,E

Question No : 8 - (Topic 1)

You want to identify which tasks in the planned learning activity incorporate the use of the computer lab.

Which task should you identify?

This item is part of a case study. To view the case study information, click on the Case Study button below.

- A. The students must hang the posters in the entrance hall of the school.
- B. The students must assemble the images on a wall poster.
- C. The students must select and edit digital images that illustrate the theme or the event.
- D. The students must split into small groups and each group must identify a theme or a historical event.

Answer: C

Topic 2, Case Study 2

Overview

General Overview

You are a teacher at a secondary school.

You are also the chairperson of a school committee comprised of members of the school administration and the team responsible for Information and Communication Technology (ICT) at the school.

Description of Students

The students at the school are between the ages of 15 and 18.

Learning and Teaching Environment

The school has a computer lab. The students use the lab frequently.

All of the teachers have laptop computers that they use for teaching and administrative tasks.

All of the teachers access the school's network and the Internet by using a wireless connection.

Planned changes

The school plans to implement the following additional ICT resources:

- ✍ An intranet
- ✍ A student management system (SMS)
- ✍ One laptop for each student. The laptops will contain curriculum content and will

be connected to the school's network

Objectives

Learning Objectives

The students will be able to develop collaboration, communication, critical thinking, problem-solving, and creativity skills and use ICT resources in all their subjects.

Professional Development Objectives

The professional development objectives for the teachers are:

- ✍ Teachers design learning tasks that effectively incorporate ICT resources.
- ✍ Teachers implement learning tasks that can be performed either at school or at home.

Learning Activities

The teachers plan to use video-conferencing to enable the students to collaborate with peers and communicate with subject matter experts in various fields.

Organizational Goals

The school aims to have ICT integrated into all subjects' teaching and learning. The school aspires to qualify for a sponsorship to help implement planned ICT changes. To qualify for the sponsorship, the school must write a compelling proposal stating how the new ICT resources will be used to further learning objectives.

The school plans to encourage collaborative learning skills and independent learning skills.

As part of the initial steps to writing the proposal, the school recognizes the need to convene a stakeholder meeting attended by the teachers, the school management and administration, and the students' parents.

Once the school implements the planned changes, the teachers will be expected to incorporate student's laptops during their lessons.

Question No : 9 - (Topic 2)

You are requested to write the proposal to qualify for the sponsorship.

Which statement best describes the ICT Competency Framework for Teachers (ICT-CFT) policy goal that is met by implementing the new ICT resources?

This item is part of a case study. To view the case study information, click on the Case Study button below.