

62-193 41(Questions) Technology Literacy for Educators

Exam Code: <http://www.aowe.com/practice-62-193-3189.html>

Certification: Microsoft other Certification

Posted: 2017-06-15

<http://www.aowe.com>

Question 2

What should you do?

You teach political science to a class of 20 students. The students are 17 years old. Your school has a computer lab that has access to the Internet.

Your government has an election.

You create a lesson that requires the students to spend the entire day of the election analyzing the election results as they are announced.

You reserve the computer lab for the activity.

You want to ensure that the students can continuously record the election results. The solution must also ensure that the students see the changes to the political map as the results come in.

What should you do?

- A. Have the students input the election results to a spreadsheet application and create charts to present the results.
- B. Have the students use a word processing application to create a table that presents the election results.
- C. Have the students use a spreadsheet application to build a model presenting the election results.
- D. Have the students use a spreadsheet application to import charts from the political parties' Web sites, and then export the charts to a presentation.

Correct Answer: C

Explanation/Reference:

Question 3

What should you advise the students to do?

You are an environmental education teacher.

Your students are doing a collaborative project with students from another country using Information and Communication Technology (ICT).

You create an activity that requires your students to use presentation software to display pictures and videos of local birds. The students will then email the presentation to the foreign students.

You discover that the file size of the presentation exceeds the size limit set by your email provider.

You want to ensure that the students can send the presentation by email.

What should you advise the students to do?

- A. In the presentation, reduce the font sizes and deactivate the custom animations.
- B. Remove the pictures and the videos from the presentation.

- C. Convert the presentation file to a bitmap image.
- D. Compress the video files and the pictures before inserting them into the presentation.

Correct Answer: D

Explanation/Reference:

Question 4

What should you do?

The students recently started using the film editing software.

You want to ensure that the students benefit as much as possible from the filmmaker's visit.

What should you do?

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

- A. Schedule the filmmaker to present a one-hour lecture to the entire class.
- B. Schedule each student to individually ask the filmmaker questions.
- C. Have each student email you a list of questions before the visit.
- D. Have the students use a wiki to collaborate on a list of questions for the filmmaker.

Correct Answer: D

Explanation/Reference:

Question 5

Which two tasks should you perform to ensure that the students benefit most from working in the computer lab?

You are preparing to teach the second mathematics lesson.

Which two tasks should you perform to ensure that the students benefit most from working in the computer lab? (Each correct answer presents part of the 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. Verify that the Internet connection is only available on the teacher's computer.
- B. Verify that the printer has enough paper.
- C. Ensure that the data projector works.
- D. Verify that the computers have the appropriate software installed.
- E. Ensure that the USB drives have free space available.

Correct Answer: CD

Explanation/Reference:

Question 6

What should you use?

At the beginning of the second mathematics lesson, you want to engage students and remind them of the learning objectives.

What should you use?

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

- A. a presentation that models the learning outcome
- B. an audio recording that defines symmetry
- C. a graphics application that displays symmetrical objects
- D. a printed handout that contains an outline of the learning objectives

Correct Answer: C

Explanation/Reference:

Question 7

Which type of application should you use?

You want to track and manage student's performance data.

Which type of application should you use?

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

- A. desktop publishing
- B. presentation
- C. spreadsheet
- D. word processing

Correct Answer: C

Explanation/Reference:

Question 8

What advice would you give her?

You have used Information and Communication Technology (ICT) successfully in the classroom for several years.

A new teacher at the school says that she has had little opportunity to use ICT in the classroom. She wants to make use of the computer lab in her teaching.

What advice would you give her?

- A. Ensure that the planned activities are easy for the students.
- B. Ensure that the planned activities are fun for the students.
- C. Ensure that the planned activities are suitable for the learning objectives.
- D. Ensure that the students understand how ICT will be used to complete their activities.

Correct Answer: C

Explanation/Reference:

Question 9

How else should the students benefit from using ICT during the second mathematics lesson?

In addition to learning about symmetry, how else should the students benefit from using ICT during the second mathematics lesson?

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

- A. ICT will teach them data entry skills.
- B. ICT will teach them computer programming skills.
- C. ICT will help them develop presentation skills.
- D. ICT will help them develop collaboration skills.

Correct Answer: D

Explanation/Reference:

Question 10

What should you ask the students to do?

You want to identify the quickest and most cost-effective method to collect the students'

presentations for assessment.

What should you ask the students to do?

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

- A. Save their work to a USB drive.
- B. Save their work to a shared folder on the network.
- C. Print out their work and hand it in to you.
- D. Email their work to you.

Correct Answer: B

Explanation/Reference:

Question 11

What should you include as part of your classroom activities?

You want your students to analyze the costs of running a business.

You plan a visit with your students to a business center that sells business services.

The business center offers the following services.

- . Printing
- . Photocopying
- . Web site design
- . Document scanning
- . Word processing and editing.

What should you include as part of your classroom activities?

- A. Give an assignment during which the students will read three case studies about office service businesses. Summarize the students' findings in a word processing document.
- B. Run a research project during which the students will use the Internet to compile a list of prices of various business services.
- C. Run a three-day project during which the students will set up their own office service business at the school and sell business services to the students and the staff.
- D. Run a two-hour project during which you will provide reference information on the cost of equipment, materials, and salaries. Guide the students to use spreadsheets to calculate the costs of a business.

Correct Answer: D

Explanation/Reference:

Question 12

What should you do?

You teach an economics lesson about the effects of using price discount strategies.

During the class, you provide detailed sales statistics from a major national retailer.

Some of the students question the effectiveness of price discount strategies.

You want to demonstrate to the students that the strategies are cost-effective.

What should you do?

- A. Search the Internet for Web sites that contain more information about retail pricing strategies.
- B. Enter sample sales figures into a spreadsheet to model the effects of using price discount strategies.
- C. Search the Internet for teaching resources on retail pricing strategies.
- D. Email several retail management experts and ask them for examples of how they use price discount strategies.

Correct Answer: B

Explanation/Reference:

Question 13

What should you do?

One of your students has poor hearing.

You want to ensure that the student has the opportunity to interact with the farmer during the video-conference.

What should you do?

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

- A. After the video-conference, have the other students explain the key points of the conference to the student.
- B. Before the video-conference, have the student submit questions in writing.
- C. Manipulate the seating arrangement.
- D. Record the audio portion of the video-conference for further listening.

Correct Answer: C

Explanation/Reference:

Question 14

What should you do?

Your class just completed the video-conference with the farmer.

You want to do a quick assessment to identify how many students understood the key points of the video-conference.

What should you do?

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

- A. Have the students use the student response system.
- B. Have the students work in pairs to create a blog.
- C. Have each student write an essay by using a word processing application.
- D. Have each student design a presentation.

Correct Answer: A

Explanation/Reference:

Question 15

What is the most important benefit of video conferencing as it is being used in this project?

Certain teachers at the school question the value of using video conferencing for the project.

What is the most important benefit of video conferencing as it is being used in this project?

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

- A. Video conferencing provides an opportunity to use a new technology.
- B. Video conferencing provides an opportunity for group collaboration.
- C. Video conferencing provides an authentic conversation about the problem.
- D. Video conferencing provides a reliable way to gather scientific information.

Correct Answer: B

Explanation/Reference:

Question 16

What should you do?

You want to improve the students' research skills by using ICT resources. The solution must help meet the school's organizational goals.

What should you do?

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

- A. Tell the students to search for information on the Internet.
- B. Give the students a list of Internet links to sites about acid rain.
- C. Give the students printed Web pages about acid rain.
- D. Work with the students to create a list of search terms.

Correct Answer: D

Explanation/Reference:

Question 17

Which instructions or advice should you provide to the students?

You want the students to collect information from organizations that they find on the Internet.

Which instructions or advice should you provide to the students?

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

- A. Have the information sent to the student's home e-mail address.
- B. Only request information from organizations that have a secure Web site.
- C. Have the information sent to the school's e-mail address.
- D. Only request information from organizations that have a Web site that requires registration.

Correct Answer: C

Explanation/Reference:

Question 18

What should you do?

You want to address the ICT Competency Framework for Teachers (ICT-CFT) policy goals by using the school's limited ICT resources.

What should you do?

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

- A. Ask the students to use their computers at home.
- B. Have the students work in collaborative groups.
- C. Ask the students to use their mobile devices.
- D. Have the more confident students use the computers while the other students observe them.

Correct Answer: B

Explanation/Reference:

Question 19

What should you do?

You plan to use ICT to prepare an effective persuasive writing lesson.

What should you do?

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

- A. Use the Internet to find a complete, ready-made lesson to use with the students.
- B. Use the Internet to find teaching resources to discuss with the students.
- C. Use spell check software to improve your lesson plan.
- D. Scan sections of the class textbook to use as reference.

Correct Answer: A

Explanation/Reference:

Question 20

Which two ICT resources should you use to achieve this task?

You plan to lead a class discussion about the persuasive writing examples that the students bring in and to display the examples to the entire class.

Which two ICT resources should you use to achieve this task? (Each correct answer presents part of the 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. a flatbed scanner
- B. a data projector
- C. a monochrome laser printer
- D. a digital camera

Correct Answer: AB

Explanation/Reference:

Question 21

Which instructions or advice should you provide to the students?

You plan to ask the students to use a search engine during the persuasive writing lesson.

Which instructions or advice should you provide to the students?

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

- A. Search for organizations that use persuasive writing.
- B. Use a variety of search engines.
- C. Use a variety of Web browsers.
- D. The first search result will contain the information you seek.

Correct Answer: A

Explanation/Reference:

Question 22

Which benefit should you identify?

You want to identify the primary benefit of using ICT during the persuasive writing lesson.

Which benefit 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. In today's world, writing is mostly done on a computer.
- B. ICT helps students develop word processing skills.
- C. The computer lab is used regularly.
- D. Word processing applications allow students to easily edit and modify text.

Correct Answer: D

Explanation/Reference:

Question 23

Which benefit should you refer to?

You want to explain how the planned ICT changes will most benefit your own productivity?

Which benefit should you refer to?

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

- A. You will be able to access professional development resources.
- B. You will be able to communicate with the parents more often.
- C. You will be able to produce better lesson plans.
- D. You will be able to use online tools for formative assessments.

Correct Answer: C

Explanation/Reference:

Question 24

What should you recommend?

The school plans to deploy six of the planned laptops in each classroom.

You were asked to recommend a solution that enables each student to use the laptops as part of a group project.

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. Make your classroom available to students at lunchtime and after school.
- B. Have all the groups first plan their project, and then book timeslots for computer use.
- C. Assign one computer to each group.
- D. Let students from any group use any of the computers as needed.

Correct Answer: C

Explanation/Reference:

Question 25

What should you do?

You have to meet the professional development objectives by using the ICT resources.

What should you do?

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

- A. Use a laptop to take notes during professional seminars at a local university or college.
- B. Join online educator networks to exchange ideas.
- C. Create a blog and ask the students to comment on your lessons and your blog posts.
- D. Download ready-made materials to use during your lessons.

Correct Answer: D

Explanation/Reference:

Question 26

Which argument should you use?

You want to motivate the school to invest in ICT resources. The reason must be based on the ICT

Competency Framework for Teachers (ICT-CFT).

Which argument should you use?

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

- A. to become the best equipped school in your region.
- B. to improve local economic conditions.
- C. to give the students in your school access to a range of resources and learning experiences.
- D. to meet the expectations of the students and the parents.

Correct Answer: C

Explanation/Reference:

Question 27

What should you verify?

The school recently implemented the planned ICT changes and deployed laptops in your classroom.

Some of the laptops can access to the Internet, while others cannot.

You want to ensure that all of the laptops can access the Internet.

What should you verify?

- A. the wired network connection of the laptops
- B. the wireless network connection of the laptops
- C. whether the Internet router is on
- D. whether the laptops are plugged into a power outlet

Correct Answer: B

Explanation/Reference:

Question 28

What should you tell the parents to reassure them that this will not occur?

The parents worry that the students will be distracted if they use their laptop during the lessons.

What should you tell the parents to reassure them that this will not occur?

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

- A. The teacher will send the students out of the classroom if they misuse their laptop.
- B. The teacher will confiscate the laptops if the students misuse them.
- C. The teacher will ensure that all of the lessons incorporate the use of a laptop.
- D. The teacher will only allow the use of the laptops during lessons that specifically benefit from the use of ICT resources.

Correct Answer: D

Explanation/Reference:

Question 29

What advice should you provide to the teachers to help them achieve the planned lesson?

The teachers are concerned that their lack of experience with video conferencing will hinder their ability to achieve the planned lesson.

What advice should you provide to the teachers to help them achieve the planned lesson?

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

- A. Tell them that video conferencing is a simple process and not to worry.

- B. Start by using technology that they are most familiar with.
- C. Teach students the benefits of video conferencing before the lesson.
- D. Test the video conferencing equipment before the lesson.

Correct Answer: D

Explanation/Reference:

Question 30

Which resource should you use to answer the question as quickly as possible during the lesson?

You are teaching a biology class on the human nervous system.

One of the students asks a question that is beyond your knowledge.

Based on the current ICT resources in the classroom, which resource should you use to answer the question as quickly as possible during the lesson?

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

- A. Email
- B. a search engine
- C. a blog
- D. the online educators' community

Correct Answer: B

Explanation/Reference:

Question 31

How does giving each student their own laptop enhance collaborative learning?

How does giving each student their own laptop enhance collaborative learning?

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

- A. The students can digitally share their work and their ideas.
- B. The students can connect with their peers outside of the classroom without being interrupted by the teachers.
- C. The students will feel free to exchange their views with one another anonymously during lessons.
- D. The students can work together without any guidance from a teacher.

Correct Answer: A

Explanation/Reference:

Question 32

How do you determine effectiveness after one lesson?

You create your first lesson that incorporates the use of the students' laptops.

You want to evaluate the effectiveness of the use of laptops during the lesson.

How do you determine effectiveness after one lesson?

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

- A. Students actively engage in the lesson.
- B. Students are able to access curriculum content.
- C. Student scores improve on a test given at the end of the lesson.
- D. Students give feedback that they enjoyed using laptops during the lesson.

Correct Answer: A

Explanation/Reference:

Question 33

What should you recommend?

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.

Correct Answer: C

Explanation/Reference:

Question 34

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

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.

Correct Answer: D

Explanation/Reference:

Question 35

Which argument will you base your response?

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.

Correct Answer: B

Explanation/Reference:

Question 36

Which task should you identify?

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.

Correct Answer: C

Explanation/Reference:

Question 37

What is the least disruptive and most equitable solution?

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.

Correct Answer: A

Explanation/Reference:

Question 38

What should you advise the students to use?

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

Correct Answer: C

Explanation/Reference:

Question 39

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

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.

- A. The new ICT resources help the teachers design activities that enable the students to become collaborative, problem-solving learners.
- B. The new ICT resources allow the teachers to update their ICT skills and to meet the professional development objectives.
- C. The new ICT resources allow the teachers to create virtual activities that can be self-administered by the students without any teacher involvement.
- D. The new ICT resources allow the teachers to create problem-solving activities that the students can perform in a virtual environment.

Correct Answer: A

Explanation/Reference:

Question 40

Which two possible ICT resources should you recommend that the students use to create an accurate record of the speaker's statements?

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

Correct Answer: AE

Explanation/Reference:

Question 41

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

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.

Correct Answer: A

Explanation/Reference:

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