

Complimentary Copy—Not For Sale

COMPUTER WHIZ

Fourth Edition

2



**ANSWER
KEY**

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01

SIMPLIFYING INSTRUCTIONS

Suggested answers to end-of-chapter Workstation (page 9)

Explore with Whiz

1. Store and find information
2. Mark attendance
3. Generate bill
4. Schedule appointments
5. Draw and edit pictures

Whiz Quiz

They are used:

- a. To communicate through emails, instant messaging, and video calls
 - b. For educational research, online courses, and virtual classrooms
 - c. To play games, watch movies, and listen to music
 - d. To process large amounts of data
 - e. For graphic design, 3D modeling, and animation
1. They are called data.
 2. An ATM or Automated Teller Machine is used to withdraw money, check bank account balances, transfer funds, and perform other banking transactions.
 3. Teachers use computers in hospitals to train medical staff, create educational materials, conduct online medical education programs, and access healthcare-related research and data.
 4. Computers may be used to store and organise data for easy retrieval and management.

Suggested answers to end-of-chapter Workstation (page 17)**Explore with Whiz**

1. Expected answers.
 - a. The Enter or Return key is used to input data.
 - b. When the Caps Lock key is turned on, all letters are typed in capitals.
 - c. The Shift key allows you to type symbols that are on the upper part of a key (like @, #, \$, etc.) when used in combination with another key.
 - d. The Backspace key deletes the character to the left of the cursor, allowing you to erase mistakes.
2. Expected answers.
 - a. Mouse
 - b. Pointer
 - c. TV
 - d. Scanner
 - e. Processing

Whiz Quiz

Input devices allow users to send data or commands into the computer, such as a keyboard or mouse. Output devices, on the other hand, present data from the computer to the user, such as a monitor or printer.

The CPU or Central Processing Unit is the brain of the computer and is responsible for executing instructions and performing calculations. It processes data and controls the operations of all other hardware components.

A soft copy is a digital version of a document or image that is viewed on a screen. It is not a physical copy and exists only electronically.

A monitor is an output device that displays visual information on a screen. A printer, on the other hand, is an output device that produces a physical hard copy of documents or images

Suggested answers to end-of-chapter Workstation (page 25-26)**Explore With Whiz**

- | | |
|-------------------|----------------|
| a. Input | f. Information |
| b. Icons | g. Programs |
| c. Plan | h. Chart |
| d. Recheck | i. Date |
| e. Lists, writing | j. Notepad |

Whiz Quiz

1. Typing text into a Notepad or Word document is a way to enter data into computer devices..
2. Icons represent applications, files, or folders on your computer.
3. The Calendar app is used to organise and schedule events, appointments, and reminders.
4. The Calculator app is used to perform mathematical calculations.
5. Some uses of the Notepad app are to make notes, create lists, and store ideas.

Suggested answers to end-of-chapter Workstation (page 33-34)

Explore with Whiz

1. What tools will you use in Paint 3D?
 - a. 2D Shapes tool (select a star shape).
 - b. Brushes tool (choose a soft brush to draw clouds).
 - c. Fill tool or Brushes (choose the colour and paint the house).
 - d. Text Tool (either 2D text or 3D text, depending on how you want the text to appear).
 - e. 3D View (zoom in or out to adjust the level of detail visible).
2. Tick the correct answer:
 - a. ii
 - b. ii
 - c. ii

Whiz Quiz

1. Paint 3D is used to create and edit both 2D and 3D artworks. It allows users to draw, paint, design 3D objects, and add textures, text, and stickers to their creations.
2. A 2D image is flat and has only width and height while a 3D image has depth in addition to width and height.
 - a. Use the Brushes tool to draw, or 3D shapes to create objects.
 - b. Use the Text Tool (either 2D text or 3D text).
 - c. Use the Stickers tool to add images or textures.

Computer Lab Activity (40 min)

Demonstrate to the children as to how they can create a basic storyboard on paper. Explain to them that based on the storyboard they create they can develop a story using tools from Paint 3D.

It would be ideal to hold this class in the computer lab. Divide the class into small groups depending on the availability of computers.

The basic Paint 3D tools to be used will comprise:

- Brushes: to draw characters and backgrounds.
- 3D Shapes: To create characters, objects, and backgrounds.
- Text: To add speech bubbles and titles.
- Stickers: To add characters or add textures to objects

Suggest a simple story to get started such as: A Day at the Zoo. Help students create characters using 3D shapes or stickers.

Encourage students to use 3D shapes and objects from the Paint 3D library to create the setting of their story. Ask them to create different scenes that follow the story's flow. Each scene can be a different image. Students can make each scene using a combination of shapes and backgrounds.

Show students how to use the text tool to add simple dialogue or speech bubbles. Teach them how to add speech bubbles and place them near the characters to represent conversations in the story.

Encourage students to add colour and texture to the scenes to make them visually interesting. For example, they can add stickers to create a pattern or textures such as grass or clouds or change the colour of the sky.

Have the students share their stories with the class. They can explain the story they created, show their scenes and talk about the characters and plot.

After the presentations, have a brief discussion:

What part of the story was easy to create?

How did pictures add to the story?

05

SIMPLIFYING INSTRUCTIONS

Suggested answers to end-of-chapter Workstation (page 42-44)

Explore with Whiz

Try to simplify these instructions for Mr Whiz.

Start on Green Flag

Move 2 blocks right

Move 2 blocks down

Move 1 block left

Move 2 blocks down

Move 3 blocks right

Move 3 blocks up

Stop

Whiz Quiz

1. Instructions are step-by-step directions that tell us how to do something.
2. It is important to follow instructions in the right order because if you skip a step or do things out of order, it can lead to mistakes or confusion.

Whiz through Lab (Suggested Answer)

1. Start by drawing a small dot in the middle of your paper.
2. Draw a straight line from the dot going up.
3. From the end of that line, draw a diagonal line to the left.
4. Draw a line from that point going down to the right.
5. From there, draw a diagonal line to the right.
6. Draw another line going straight down.
7. Finally, draw a line from the bottom to the top to complete the star.

Suggested answers to end-of-chapter Workstation (page 51)

Suggested answers to end-of-chapter Workstation (page 51)**Whiz Quiz**

1. A digital citizen is someone who uses the internet safely and treats others kindly online. They follow rules and protect their personal information.
2. You need to be careful online to keep your information safe and avoid dangerous people. It's important to be kind and not share too much personal stuff so as to avoid scams and maintain your privacy.
3. A healthy lifestyle means eating good food, staying active, and getting enough sleep. It also means taking care of your mind by being happy and stress-free.
4. Yes, computers can affect mental health and make people unhappy if they spend too much time on them or see hurtful things. It is important to take breaks and not have too much screen time.
5. To stay healthy, you can play outside, eat fruits and vegetables, and get enough sleep. You can also talk to friends and family, engage in hobbies and do things you enjoy.