

Lesson plan

Date	Session/ Period	Let's Reboot-Book 3
		Chapter 1- Important Computer Concepts
		<p>Objectives By the end of the lesson, Students should know about the following:</p> <ul style="list-style-type: none"> • Defining a computer • Computer language and computer program • Main parts of a computer • Additional helping parts of a computer <p>Teaching Aids</p> <ul style="list-style-type: none"> • online videos (could be from YouTube) • Student's Book • Board and marker • Computer with all I/O devices, hardware, and software <p>Students should go to the computer lab and see all devices mentioned in the book or available in labs and gather knowledge about that.</p>
	Session 1 (40 mins approx)	<p>Theory</p> <ul style="list-style-type: none"> • Defining a computer, computer language, computer program • Input to a computer, output from a computer <p>Assessment: Ask different questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	Session 2 (40 mins approx)	<p>Theory</p> <ul style="list-style-type: none"> • Main computer parts (keyboard, CPU, Monitor, Mouse, Speaker etc.) <p>Assessment: Ask different questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	Session 3 (40 mins approx)	<p>Theory</p> <ul style="list-style-type: none"> • Additional parts of a computer • Difference between humans and Computer <p>Assessment: Ask different questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	Session 4 (40 mins approx)	Take students to the computer lab and let them explore all components of computers, I/O devices and additional components of the Computer
	HW	<ul style="list-style-type: none"> • All theory questions (MCQ, Fill-in, T/F, and short answers) • Solve if any practical assignment (Practical Session) available on this topic.

Date	Session/ Period	Let's Reboot-Book 3
		Chapter 2- Advanced Uses of a Computer
		<p>Objectives By the end of the lesson, Students should know the following:</p> <ul style="list-style-type: none"> • Uses of computers in our Daily Life • Computers for Beauty Salons and Sports • Use of computers in Science &Technology and Offices • Computers for Architecture, Medicine, and DTP • Use of computers in Animation and Aviation • Computers in Banks and Schools • Use of computers in Defence <p>Teaching Aids</p> <ul style="list-style-type: none"> • online videos (could be from YouTube) • Student's Book • Board and marker • Computer with Windows 10 <p>Students should go to the computer lab and see all devices mentioned in the book or available in labs and gather knowledge about that. Ask students to work alone or with a partner to complete the practical assignment</p>
	Session 1 (40 mins approx)	<p>Theory</p> <ul style="list-style-type: none"> • Computers in Daily Life, computer animation • Computer in aviation, beauty salons, sports, banks <p>Assessment: Ask different questions from the students to assess their learning from <i>Think and Answer</i> oral questions and <i>Quick Questions</i> (or teachers can consider creating viva voice questions)</p>
	Session 2 (40 mins approx)	<p>Theory</p> <ul style="list-style-type: none"> • Use of computers in science and technology, schools, architecture, medicine • Use of computers in DTP and defence system <p>Assessment: Ask different questions from the students to assess their learning from <i>Think and Answer</i> oral questions and <i>Quick Questions</i> (or teachers can consider creating viva voice questions)</p>
	Session 3 (40 mins approx)	Solving worksheets and revising chapter concepts/taking the chapter test
	HW	<ul style="list-style-type: none"> • All theory questions (MCQ, Fill-in, T/F, and short answers) • Solve if any practical assignment (Practical Session) on this topic is available.

Date	Session/ Period	Let's Reboot-Book 3
		Chapter 3- Storing the Work done on the Computer
		<p>Objectives By the end of the lesson, Students should know the following:</p> <ul style="list-style-type: none"> • Importance of storage • Various storage devices • Concept of RAM and Cache memory <p>Teaching Aids</p> <ul style="list-style-type: none"> • online videos (could be from YouTube) • Student's Book • Board and marker • Computer with Windows 10 <p>Students should go to the computer lab and see all devices mentioned in the book or available in labs and gather knowledge about that. Ask students to work alone or with a partner to complete the practical assignment</p>
	Session 1 (40 mins approx)	<p>Theory</p> <ul style="list-style-type: none"> • Importance of Storage • Storage Devices <p>Assessment: Ask different questions from the students to assess their learning from <i>Think and Answer</i> oral questions and <i>Quick Questions</i> (or teachers can consider creating viva voice questions)</p>
	Session 2 (40 mins approx)	<p>Theory</p> <ul style="list-style-type: none"> • Memory • Cache memory <p>Assessment: Ask different questions from the students to assess their learning from <i>Think and Answer</i> oral questions and <i>Quick Questions</i> (or teachers can consider creating viva voice questions)</p>
	Session 3 (40 min approx)	Take students to the computer lab and let them explore storage
	Session 4 (40 min approx)	Solving worksheets and revising chapter concepts/taking the chapter test
	HW	<ul style="list-style-type: none"> • All theory questions (MCQ, Fill-in, T/F, and short answers) • Solve if any practical assignment (Practical Session) on this topic is available.

Date	Session/ Period	Let's Reboot-Book 3
		Chapter 4- Working with Files and Folders
		<p>Objectives By the end of the lesson, Students should be able to:</p> <ul style="list-style-type: none"> • Working of the Operating System • Screen components in Windows 10 • Important Icons in Windows 10 • Concepts of/working with Files and Folders <p>Teaching Aids</p> <ul style="list-style-type: none"> • online videos (could be from YouTube) • Student's Book • Board and marker • Computer with Windows 10 <p>Students should work on their computers so that they can follow you as you demonstrate all steps on the screen.</p> <p>Ask students to work alone or with a partner to complete the practical assignment</p>
	<p>Session 1 (40 mins approx)</p>	<p>Theory</p> <ul style="list-style-type: none"> • Discuss the Operating System • About the Windows Operating System <p>Assessment: Ask different questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	<p>Session 2 (40 mins approx)</p>	<p>Practical execution of <i>Activities</i> of session 1</p>
	<p>Session 3 (40 mins approx)</p>	<p>Theory</p> <ul style="list-style-type: none"> • Components of Windows 10 • File and folders <p>Assessment: Ask different questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	<p>Session 4 (40 min approx)</p>	<p>Practical execution of <i>Activities</i> of session 3</p>
	<p>Session 5 (40 min approx.)</p>	<p>Theory</p> <ul style="list-style-type: none"> • Some important Icons/Folders(discuss different icons available in windows/given in the chapter). Moving a window. Make students do practicals. <p>Assessment: Ask additional questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>

	Session 6 (40 min approx)	Practical execution of Activities of session 5
	Session 7 (40 min approx)	Solving worksheets and revising chapter concepts/taking the chapter test
	HW	<ul style="list-style-type: none">• All theory questions (MCQ, Fill-in, T/F, and short answers)• Solve if any practical assignment (<i>Practical Session</i>) on this topic is available.

Date	Session/ Period	Let's Reboot-Book 3
		Chapter 5- Getting Started with Paint
		<p>Objectives By the end of the lesson, Students should be able to:</p> <ul style="list-style-type: none"> • Understand the Components of a Paint window • Work with Pencil, Brush and Eraser tools • Work with Fill with Color, Text, Polygon, and Color Picker tools • Draw Ready-made shapes <p>Teaching Aids</p> <ul style="list-style-type: none"> • online videos (could be from YouTube) • Student's Book • Board and marker • Computer with Windows 10 <p>Students should open Paint and work on their computers so that they can follow you as you demonstrate all Paint components and detailed steps on the screen. Ask students to work alone or with a partner to complete the practical assignment</p>
	Session 1 (40 mins approx)	<p>Detail steps to be discussed(theory)</p> <ul style="list-style-type: none"> • opening the Paint program • screen Components of Paint screen • various tools <p>Assessment: Ask different questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	Session 2 (40 mins approx)	Practical execution of <i>Activities</i> of session 1
	Session 3 (40 mins approx)	<p>Steps to be discussed (Theory)</p> <ul style="list-style-type: none"> • Working with colors • Time to draw and paint <p>Assessment: Ask different questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	Session 4 (40 min approx)	Practical execution of <i>Activities</i> of session 3
	Session 5 (40 min approx)	<p>Steps to be discussed (Theory)</p> <ul style="list-style-type: none"> • Drawing ready-made shapes (using different tools mentioned in the chapter), Polygon tool, Color picker tool <p>Assessment: Ask additional questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	Session 6 (40 min approx)	Practical execution of <i>Activities</i> of session 5
	HW	<ul style="list-style-type: none"> • All theory questions (MCQ, Fill-in, T/F, and short answers) • Solve if any practical assignment (Practical Session) on this topic.
Date	Session/ Period	

Let's Reboot-Book 3		
Chapter 6- More about Paint		
		<p>Objectives By the end of the lesson, Students should be able to:</p> <ul style="list-style-type: none"> • Select, Rotate, Resize and Skew a picture • Move, Copy, Crop an image • Edit colours and set the picture as the background • Save and Open the drawing <p>Teaching Aids</p> <ul style="list-style-type: none"> • online videos (could be from YouTube) • Student's Book • Board and marker • Computer with Windows 10 <p>Students should open Paint and work on their computers so that they can follow you as you demonstrate all steps on the screen. Ask students to work alone or with a partner to complete the practical assignment</p>
	Session 1 (40 mins approx)	<p>Detail steps to be discussed(theory)</p> <ul style="list-style-type: none"> • Selecting and Editing Objects • Rotating the Picture <p>Assessment: Ask different questions from the students to assess their learning from <i>Think and Answer</i> oral questions and <i>Quick Questions</i> (or teachers can consider creating viva voice questions)</p>
	Session 2 (40 mins approx)	Practical execution of <i>Activities</i> of session 1
	Session 3 (40 mins approx)	<p>Steps to be discussed (Theory)</p> <ul style="list-style-type: none"> • Resizing and Skewing • Moving and copying objects • Cropping an image <p>Assessment: Ask different questions from the students to assess their learning from <i>Think and Answer</i> oral questions and <i>Quick Questions</i> (or teachers can consider creating viva voice questions)</p>
	Session 4 (40 min approx)	Practical execution of <i>Activities</i> of session 3
	Session 5 (40 min approx)	<p>Steps to be discussed (Theory)</p> <ul style="list-style-type: none"> • To set a picture as your desktop background • Saving your drawing • Opening your saved drawing <p>Assessment: Ask different questions from the students to assess their learning from <i>Think and Answer</i> oral questions and <i>Quick Questions</i> (or teachers can consider creating viva voice questions)</p>
	Session 6 (40 min approx)	Practical execution of <i>Activities</i> of session 5
	HW	<ul style="list-style-type: none"> • All theory questions (MCQ, Fill-in, T/F, and short answers) • Solve if any practical assignment (Practical Session) on this topic is available.

Date	Session/ Period	Let's Reboot-Book 3
		Chapter 7- Fun with Microsoft Office Word 2019
		<p>Objectives By the end of the lesson, Students should know about the following:</p> <ul style="list-style-type: none"> • Introduction to Microsoft Office Word 2019 • Typing and selecting the text • Font formatting, changing the Font type, Size and Color • Inserting pictures and WordArt in the document <p>Teaching Aids</p> <ul style="list-style-type: none"> • online videos (could be from YouTube) • Student's Book • Board and marker • Computer with MS Office 2019 <p>Students should open Microsoft Word 2019 and work on their computers so that they can follow you as you demonstrate all the detailed steps on the screen. Ask students to work alone or with a partner to complete the practical assignment</p>
	<p>Session 1 (40 mins approx)</p>	<p>Detail steps to be discussed(theory)</p> <ul style="list-style-type: none"> • Discuss the use of MS Word • Opening MS Office Word 2019 • Screen components <p>Assessment: Ask different questions from the students to assess their learning from <i>Think and Answer</i> oral questions and <i>Quick Questions</i> (or teachers can consider creating viva voice questions)</p>
	<p>Session 2 (40 mins approx)</p>	<p>Practical execution of <i>Activities</i> of session 1</p>
	<p>Session 3 (40 mins approx)</p>	<ul style="list-style-type: none"> • Typing text, selecting the text • Bold, Italics, Underline • Changing the Font Type and Size <p>Assessment: Ask different questions from the students to assess their learning from <i>Think and Answer</i> oral questions and <i>Quick Questions</i> (or teachers can consider creating viva voice questions)</p>
	<p>Session 4 (40 min approx)</p>	<p>Practical execution of <i>Activities</i> of session 3</p>
	<p>Session 5 (40 min approx)</p>	<ul style="list-style-type: none"> • Changing the Font Color • Inserting a picture • Inserting WordArt <p>Assessment: Ask different questions from the students to assess their learning from <i>Think and Answer</i> oral questions and <i>Quick Questions</i> (or teachers can consider creating viva voice questions)</p>
	<p>Session 6 (40 min approx)</p>	<p>Practical execution of <i>Activities</i> of session 5</p>
	<p>HW</p>	<ul style="list-style-type: none"> • All theory questions (MCQ, Fill-in, T/F, and short answers) • Solve if any practical assignment (Practical Session) on this topic is available.

Date	Session/ Period	Let's Reboot-Book 3
		Chapter 8-Artificial Intelligence is Everywhere
		<p>Objectives By the end of the lesson, Students should know about:</p> <ul style="list-style-type: none"> • Artificial Intelligence • The daily AI • AI Robots <p>Teaching Aids</p> <ul style="list-style-type: none"> • online videos (could be from YouTube) • Student's Book • Board and marker • Computer with Browser (Chrome/MS Edge) <p>Students should open Microsoft Edge/Chrome and work on their computers so that they can follow you as you demonstrate all the detailed steps on the screen.</p> <p>Ask students to work alone or with a partner to complete the practical assignment</p>
	<p>Session 1 (40 mins approx)</p>	<p>Theory</p> <ul style="list-style-type: none"> • What is Artificial Intelligence? • Daily AI/Different applications of AI <p>Assessment: Ask different questions from the students to assess their learning from <i>Think and Answer</i> oral questions and <i>Quick Questions</i> (or teachers can consider creating viva voice questions)</p>
	<p>Session 2 (40 mins approx)</p>	<p>Theory</p> <ul style="list-style-type: none"> • AI Robots, Humanoid Robots <p>Assessment: Ask different questions from the students to assess their learning from <i>Think and Answer</i> oral questions and <i>Quick Questions</i> (or teachers can consider creating viva voice questions)</p>
	<p>Session 3 (40 min approx)</p>	<p>Practical Work on practice time given in chapter/experiment with AI</p>
	<p>Session 4 (40 min approx)</p>	<p>Solving worksheets and revising chapter concepts/taking the chapter test</p>
	<p>HW</p>	<ul style="list-style-type: none"> • All theory questions (MCQ, Fill-in, T/F, and short answers) • Solve if any practical assignment (Practical Session) on this topic.

Date	Session/ Period	Let's Reboot-Book 3
		Chapter 9-Learning Scratch 3. 0
		<p>Objectives By the end of the lesson, Students should be able to:</p> <ul style="list-style-type: none"> • Download Scratch 3.0 • Understand the Main components of the Scratch screen • Change the backdrop • Draw, Add a new Sprite • Draw with Pen <p>Teaching Aids</p> <ul style="list-style-type: none"> • online videos (could be from YouTube) • Student's Book • Board and marker • Computer with scratch 3.0 <p>Students should open Scratch and work on their computers so that they can follow you as you demonstrate all the detailed steps on the screen.</p> <p>Ask students to work alone or with a partner to complete the practical assignment</p>
	<p>Session 1 (40 mins approx)</p>	<p>Theory</p> <ul style="list-style-type: none"> • Introduction to Scratch • Downloading Scratch, starting Scratch <p>Assessment: Ask different questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	<p>Session 2 (40 mins approx)</p>	<p>Practical execution of <i>Activities</i> of session 1</p>
	<p>Session 3 (40 mins approx)</p>	<p>Theory</p> <ul style="list-style-type: none"> • Discussion about Scratch components <p>Assessment: Ask different questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	<p>Session 4 (40 min approx)</p>	<p>Practical execution of <i>Activities</i> of session 3</p>
	<p>Session 5 (40 min approx)</p>	<p>Theory</p> <ul style="list-style-type: none"> • Movement of the sprite • Turning the sprite • Using the pen <p>Assessment: Ask different questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	<p>Session 6 (40 min approx)</p>	<p>Practical execution of <i>Activities</i> of session 3</p>

	Session 7 (40 min approx)	Theory <ul style="list-style-type: none"> • Using the Stamp Block to make duplicate sprites • Saving a project, Opening a saved project Assessment: Ask different questions from the students to assess their learning from <i>Think and Answer</i> oral questions and <i>Quick Questions</i> (or teachers can consider creating viva voice questions)
	Session 8 (40 min approx)	Practical execution of <i>Activities</i> of session 7
	Session 9 (40 min approx)	Solving worksheets and revising chapter concepts/taking the chapter test
	HW	<ul style="list-style-type: none"> • All theory questions (MCQ, Fill-in, T/F, and short answers) • Solve if any practical assignment (<i>Practical Session</i>) on this topic.

Date	Session/ Period	Let's Reboot-Book 3
		Chapter 10-Networking and the Internet
		<p>Objectives By the end of the lesson, Students know about the following:</p> <ul style="list-style-type: none"> • Advantages of Networking • Uses of Internet • Connecting to the Internet • WWW and E-mail <p>Teaching Aids</p> <ul style="list-style-type: none"> • online videos (could be from YouTube) • Student's Book • Board and marker • Computer with browser <p>Students should open their browsers and work on their computers so that they can follow you as you demonstrate all the detailed steps on the screen.</p> <p>Ask students to work alone or with a partner to complete the practical assignment</p>
	Session 1 (40 mins approx)	<p>Theory</p> <ul style="list-style-type: none"> • Importance of Networking • Defining a Network, Advantages of a network, about the network <p>Assessment: Ask different questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	Session 2 (40 mins approx)	<p>Theory</p> <ul style="list-style-type: none"> • Things you can do on the Internet • who can use the Internet? • Connecting to the Internet <p>Assessment: Ask different questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	Session 3 (40 min approx)	Practical execution of <i>Activities</i> of sessions 1 and 2
	Session 4 (40 min approx)	<p>Theory</p> <ul style="list-style-type: none"> • Application of the Internet(www, e-mail etc.) • E-mail operations(send,read e-mails) <p>Assessment: Ask different questions from the students to assess their learning from <u>Think and Answer</u> oral questions and <u>Quick Questions</u> (or teachers can consider creating viva voice questions)</p>
	Session 5 (40 min approx)	Practical execution of <i>Activities</i> of session 4
	HW	<ul style="list-style-type: none"> • All theory questions (MCQ, Fill-in, T/F, and short answers) • Solve if any practical assignment (Practical Session) on this topic is available.

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