Curriculum Guide for 1st Grade Computers

Unit 1: General Technological Awareness

9 weeks

Elementary Computer Objective: 1, 2, 9

Objectives	Methods	Resources	Assessment
The students will • Start, restart, shutdown a computer • Understand how a floppy disk works • Be able to move, point, drag, and double-click the mouse • Open and close windows and file using a mouse • Display exemplary beariour when using technology • Appreciate Biblically based information that can be used via computer • Participate in the class computer recycling project	• Teacher explanation of assignments • Completion of computer activity worksheets • Observation and handling of computer parts • Discussion of different ways technology can be used by Christians	• *Techworks: Teacher Created Materials* for Grade 1 • Lessons 1-10 of the *Techworks Activity Cards* • Bible	• Class participation • Teacher explanation of tasks • Technique checks to ensure student can properly start, restart, and shutdown a computer • Does student display exemplary behavior when operating a computer • Does student complete computer activity worksheets accurately • Is the student aware of God's values in operating computers

Unit 2: Paint, Draw, and Graphics

9 weeks

Elementary Computer Objectives: 1, 2, 3, 9

Objectives	Methods	Resources	Assessment
The students will • Be able to use tools in the paint program to include: pencil, paint bucket, eraser, paintbrush, line tool, spray can, text tool and shape tool • Learn to draw pictures and type in descriptive words using the paint program • Be able to draw a picture of a Bible story • Participate in the class computer recycling project	• Teacher explanation of assignments • Completion of computer activity worksheets • Construct pictures using the pencil tool • Draw and color using the paint bucket tool • Paint a picture using the pencil and paintbrush • Draw pictures using shape tools • Type words using the text tool • Use the line tool and spray can to create pictures • Demonstrate proper use of the eraser tool • Bried Bible discussion of a story (Example: Noah's Ark) with students drawing that scene	• *Techworks: Teacher Created Materials* for Grade 1 • Lessons 1-9 of the *Techworks Activity Cards* • Bible	• Is the student able to use all paint and draw tools with ease • Student will be able to construct pictures using the tools in the paint program • Student will use tools with comfort and certainty

Unit 3: Keyboarding

9 weeks

Elementary Computer Objectives: 1, 2, 4, 9

Objectives	Methods	Resources	Assessment
The students will • Gain a visual knowledge of the keyboard • Gain a more in depth physical knowledge of the keyboard • Be able to use number keys • Identify punctuation and symbol keys • Become familiar with space bar, return/enter, delete/backspace keys • Be able to type words or Bible verses • Participate in the class computer recycling project	• Students will type all of the vowels students will type all of the consonants • Students will type all letters on the home row key • Students will type numbers 1-20 • Practice typing punctuation and symbol keys • Type words using space bar and delete/backspace keys as dictated • Students will type spelling words or short Bible verses	• *Techworks: Teacher Created Materials* for Grade 1 • Lessons 1-9 of the *Techworks Activity Cards* • Bible	• Class participation • Is the student familiar with key locations • Is the student able to identify the Home Row keys • Is the student able to use the delete/backspace keys • Can the student type short Bible verses or phrases

Unit 4: CD-ROM Technology

9 weeks

Elementary Computer Objectives: 2, 5, 9

Objectives	Methods	Resources	Assessment
The students will • Demonstrate an understanding of the amount of info contained on a CD-ROM • Understand the difference between an audio CD and a CD-ROM • Students will understand how to handle and load a CD-ROM • Be able to open and close programs using a CD-ROM • Have the ability to navigate through a CD-ROM • Participate in the class computer recycling project	• Draw pictures of different ways to store information • Draw a CD-ROM and write about its features • Draw a CD-ROM and type four phrases about the CD-ROM: *Be careful; Handle with Care; Fragile; Breakable* • Load the Cd-ROM and open a program • Find particular areas of study navigating through the CD-ROM • Discuss how we can use a CD-ROM to enhance our knowledge of the Bible	• *Techworks: Teacher Created Materials* for Grade 1 • Lessons 1-9 of the *Techworks Activity Cards* • Bible	• Class participation • Is the student familiar with how to operate a CD-ROM • Is the student able to properly handle the CD-ROM • Is the student able to open and close programs at various places using the CD-ROM • Does the student understand the differences in a CD and a CD-ROM