

Curriculum Guide for 2nd Grade Computers

Unit 1: Paint, Draw, and Graphics

9 weeks

Elementary Computer Objectives: 1, 2, 3, 9

Objectives	Methods	Resources	Assessment
<p>The students will</p> <ul style="list-style-type: none">• Use the pencil and shape tools in a paint program• Use the line tools in a paint program• Use the paint bucket, paintbrush and spray can in a paint program• Be able to draw a picture and type in a descriptive sentence in a paint program• Students will use the paint tools to draw God's world• Participate in the class computer recycling project	<ul style="list-style-type: none">• Teacher explanation of assignment• Draw a trash can, show things which can be recycled and write a sentence about recycling• Use paint tools to draw insects• Draw a plant and label its parts• Students will use the paint tools to draw "creation" as explained in Genesis	<ul style="list-style-type: none">• Techworks: Teacher Created Materials for Grade 2• Lessons 1- 4 of the Techworks Activity Cards• Bible	<ul style="list-style-type: none">• Class participation• Is the student able to use all paint and draw tools with ease• Can the student construct pictures using the paint program tools• Can the student use tools with comfort and creativity

Unit 2: General Technological Awareness

9 weeks

Elementary Computer Objectives: 1, 2, 3, 9

Objectives	Methods	Resources	Assessment
<p>The students will</p> <ul style="list-style-type: none">• Log on and off of a computer• Access and open programs• Understand input and output devices and processing units• Know how to use tools in the menu bar• Understand essential computer skills: start up, shut down, disk care, saving files, open and closing files• Understand hard drive basics• Participate in the computer class recycling project	<ul style="list-style-type: none">• Teacher explanation of assignment• Completion of group activities in class• Saving a created file and locating it• Finding and opening a program, reading a Bible story• Drawing pictures of God's world using computer tools	<ul style="list-style-type: none">• Techworks: Teacher Created Materials for Grade 2• Lessons 1-7 of the Techworks Activity Cards• Bible	<ul style="list-style-type: none">• Class participation• Observation of correct start-up and shut-down procedures• Is the student able to save and locate files• Can the student complete activity worksheets accurately• Can the student list ways in which we can learn about God through computers

Unit 3: Keyboarding

9 weeks

Elementary Computer Objectives: 1, 2, 4, 9

Objectives	Methods	Resources	Assessment
The students will <ul style="list-style-type: none">• Use informal keyboarding skills to type words• Use informal keyboarding skills to type phrases• Use informal keyboarding skills to type sentences and/or paragraphs• Use shift, caps lock, tab, and arrow keys• Identify home row keys• Participate in the computer class recycling project	<ul style="list-style-type: none">• Teacher explanation of assignment• Type spelling words• Type Bible phrases• Type Bible verses• Type Bible verses using the shift, caps lock, tab, and arrow keys	<ul style="list-style-type: none">• Techworks: Teacher Created Materials for Grade 2• Lessons 1- 5 of the Techworks Activity Cards• Bible	<ul style="list-style-type: none">• Class participation• Is the student familiar with special keys• Can the student identify the home row keys• Can the student type short Bible verses or sentences

Unit 4: - CD-Rom

9 weeks

Elementary Computer Objectives: 1, 2, 3, 5, 9

Objectives	Methods	Resources	Assessment
<p>The students will</p> <ul style="list-style-type: none"> • 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 program using a CD-ROM • Have the ability to navigate through a CD-ROM • Participation in the class computer recycling project 	<ul style="list-style-type: none"> • 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: <i>Be careful; Handle with Care; Fragile; Breakable</i> • 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 	<ul style="list-style-type: none"> • Techworks: Teacher Created Materials for Grade 2 • Lessons 1- 9 of the Techworks Activity Cards • Bible 	<ul style="list-style-type: none"> • Class participation • Is the student familiar with how to operate a CD-ROM • Is student able to properly hand 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