Due to the changing nature of technology this curriculum is subject to change as new technologies are invented and made available.

<table>
<thead>
<tr>
<th>Grade level:</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Title:</td>
<td>Computers</td>
</tr>
<tr>
<td>Topic/Concept:</td>
<td>Parts of the Computer</td>
</tr>
<tr>
<td>Time Allotment:</td>
<td>2 class sessions</td>
</tr>
<tr>
<td>Unit Sequence:</td>
<td>1</td>
</tr>
</tbody>
</table>

### Major Concepts to be learned:

1. Students will learn the major parts of the computer and their functions (Monitor, Keyboard, Mouse, Hard Drive (CPU), Headphones(speakers), Printer)

### Expected Skills to be demonstrated:

1. Identify the monitor, keyboard, mouse, and harddrive (CPU), printer, headphones.
2. Identify the function of the monitor, keyboard, mouse, CPU, printer, headphone.

### PA Standards/Anchors:

<table>
<thead>
<tr>
<th>PA Standard 3.7.1 C</th>
<th>ISTE Standard 6a</th>
</tr>
</thead>
</table>

- Recognize that a computer is made up of parts that perform different operations
- Identify the different parts of the computer

### Instructional Strategies:

- Students Interaction Using Smartboard
- Internet Resource
- Teacher Discussion
- Coloring Sheet

### Eligible Content:

- Recognize that a computer is made up of parts that perform different operations
- Identify the different parts of the computer

### Assessments:

- Test
- Teacher Observation
Due to the changing nature of technology this curriculum is subject to change as new technologies are invented and made available.
Grade level: 1  
Course Title: Computers  
Topic/Concept: Computerized Art (Kid Pix)

Time Allotment: 3 class sessions  
Unit Sequence: 3

**Major Concepts to be learned:**

| 1. Understand how each tool in Kid Pix works | 2. Use all the tools in Kid Pix together to create a piece of computerized artwork |
| 3. Compare the tools of Kid Pix and Paint how they are similar and different |

**Expected Skills to be demonstrated:**

| 1. Use all tools in an appropriate manner | 2. Understand when certain tools should be chosen to complete assignments |
| 3. Tell a story through computerized artwork using all tools in an appropriate way |

**PA Standards/Anchors:**

| PA Standard 3.6.1 A | Work with the computer by using basic computer software |
| PA Standard 3.7.1 D | Use educational software to manipulate the keyboard or mouse |
| ISTE Standard 1b | Demonstrate the ability to communicate an idea through the use of a computer |
| ISTE Standard 6a & 6d | Use technology to create original works as a means of expression |
| | Transfer current knowledge to the learning of new applications |

**Eligible Content:**

**Instructional Strategies:**

| Teacher Demonstration on the Smartboard |
| Student Interaction Using Smartboard |
| Teacher Discussion |
| Independent Student Practice on Computers |

**Assessments:**

| Computer Based Project |
| Teacher Observation |

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Grade level: 1  
Course Title: Computers  
Topic/Concept: Coloring with the Computer  

Time Allotment: 2 class session  
Unit Sequence: 6  

Major Concepts to be learned:  
1. Navigate through multiple folders to access pictures  
2. Use the Fill Can Tool to complete a project  
3. Troubleshoot mistakes using appropriate Kid Pix tools  

Expected Skills to be demonstrated:  
1. Locating pictures by navigating through folders independently  
2. Coloring pictures using appropriate colors and patterns  
3. Troubleshooting mistakes to allow for proper coloring  

PA Standards/Anchors:  
<table>
<thead>
<tr>
<th>PA Standard 3.7.1 D</th>
<th>Eligible Content:</th>
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</thead>
<tbody>
<tr>
<td>ISTE Standard 1b</td>
<td>• Use technology to create original works as a means of expression</td>
</tr>
<tr>
<td>ISTE Standard 6a</td>
<td>• Understand and use technology systems</td>
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</table>

Instructional Strategies:  
Teacher Demonstration on the Smartboard  
Teacher Discussion  
Independent Student Practice on Computers  

Assessments:  
• Computer Based Project  
• Teacher Observation  

Due to the changing nature of technology this curriculum is subject to change as new technologies are invented and made available.
Grade level: ____1____ Course Title: Computers  Topic/Concept: Beginning Sounds with Kid Pix

Time Allotment: 1 session  Unit Sequence: ____7____

Major Concepts to be learned:

| 1. The format of an acrostic poem |
| 2. The beginning sounds of various stamps that coordinate with letters |

Expected Skills to be demonstrated:

| 1. Positioning text in a vertical format (similar to an acrostic poem) |
| 2. Locating stamps that begin with the same letters |
| 3. Navigating through various menus to locate stamps |

PA Standards/Anchors:  Eligible Content:

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<thead>
<tr>
<th>PA Standard 3.7.1 D</th>
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<tr>
<td>ISTE Standard 6a</td>
<td>Transfer current knowledge to the learning of new applications</td>
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Instructional Strategies:  Assessments:

| Teacher Demonstration on the Smartboard  | Computer Based Project |
| Teacher Discussion  | Teacher Observation |
| Independent Student Practice on Computers |

Due to the changing nature of technology this curriculum is subject to change as new technologies are invented and made available.
Grade level: 1  Course Title: Computers  Topic/Concept: Computer Art with Movement

Time Allotment: 3 class sessions  Unit Sequence: 8

Major Concepts to be learned:

1. How to add movement to computerized art in an appropriate manner
2. Incorporating appropriate sound and backgrounds into an illustration to enhance the quality of illustration

Expected Skills to be demonstrated:

1. Ability to add sound and background to a picture
2. Appropriate use of the tools on the backgrounds
3. Knowledge of each tool and how it is different to the Paint a Picture section of Kid Pix
4. Ability to adjust the movement of the stamps

PA Standards/ Anchors:

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<td>ISTE Standard 1b</td>
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<td>ISTE Standard 6a &amp; 6b</td>
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Instructional Strategies:  

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<tr>
<td>Teacher Discussion</td>
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<tr>
<td>Independent Student Practice on Computers</td>
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Assessments:

| Computer Based Project |
| Teacher Observation    |
Due to the changing nature of technology this curriculum is subject to change as new technologies are invented and made available.
Grade level: 1  
Course Title: Computers  
Topic/Concept: Learning the keyboard  
Time Allotment: 3 class sessions  
Unit Sequence: 10

Major Concepts to be learned:

1. The function of the enter, backspace, shift, space bar, and caps lock key  
2. How these keys are used in various (Word Processings, Internet Applications, etc)

Expected Skills to be demonstrated:

1. Knowledge of each key and it’s function  
2. Proper use of these keys in various Word Processing (Microsoft Word) activities  
3. Knowledge of where each key is located on the keyboard

PA Standards/Anchors:

PA Standard 3.7.1 C  
ISTE Standard 6a

Eligible Content:

- Identify basic computer operations  
- Use educational software to manipulate the keyboard  
- Understand and use technology systems

Instructional Strategies:

Teacher Demonstration on the Smartboard  
Teacher Discussion  
Guided Student Practice on Computers

Assessments:

- Computer Based Project  
- Test  
- Teacher Observation

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Due to the changing nature of technology this curriculum is subject to change as new technologies are invented and made available.
Grade level: 1  
Course Title: Computers  
Topic/Concept: Microsoft Word (Word Art)

Time Allotment: 3 class sessions  
Unit Sequence: 12

Major Concepts to be learned:

1. How to insert a piece of Word Art  
2. How to edit a piece of Word Art  
3. How to move Word Art to any location on the paper  
4. How to properly resize Word Art

Expected Skills to be demonstrated:

1. Ability to properly insert and edit a piece of word art to a word of choice  
2. Ability to move Word Art around a page using the text wrapping feature  
3. Ability to resize Word Art from the corners of the Word Art (Not sides and top and bottom)

PA Standards/Anchors:  

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Instructional Strategies:

| Teacher Demonstration on the Smartboard  
| Student Interaction Using Smartboard  
| Teacher Discussion  
| Guided Student Practice on Computers |

Assessments:

| Computer Based Project  
| Test  
| Teacher Observation |

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Due to the changing nature of technology this curriculum is subject to change as new technologies are invented and made available.
Grade level: 1    Course Title: Computers    Topic/Concept: Publishing & Illustrating a Writing Piece

Time Allotment: 3 weeks    Unit Sequence: 14

Major Concepts to be learned:

1. How to use a Word Processing program (Microsoft Word) to type and illustrate an idea.
2. Proper Typing of a sentence (Punctuation placement, capitalization, and spacing)
3. Illustrating sentences using multiple pieces of clip art

Expected Skills to be demonstrated:

1. Proper sentence typing format (Spacing and Punctuation)
2. Ability to match appropriate clip art with sentence content
3. Ability to change the font style, size, and color of the sentence.

PA Standards/Anchors:

| PA Standard 3.7.1 D | • Demonstrate the ability to communicate an idea through the use of a computer |
| PA Standard 3.6.1 A | • Use technology to create original works as a means of expression |
| ISTE Standard 1b   |                             |
| ISTE Standard 6a   |                             |

Eligible Content:

Instructional Strategies:
- Teacher Demonstration on the Smartboard
- Student Interaction Using Smartboard
- Teacher Discussion
- Guided Student Practice on Computers
- Independent Student Practice on Computers

Assessments:
- Computer Based Project
- Teacher Observation

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