Due to the changing nature of technology this curriculum is subject to change as new technologies are invented and made available.
### Grade level: 3rd Grade  
### Course Title: Computers  
### Topic/Concept: The Keyboard  

### Time Allotment: 3 sessions

### Unit Sequence: 2

#### Major Concepts to be learned:

1. The purpose of the keys on the keyboard (function keys, symbol keys, letters, numbers, and numbers pad, special keys)
2. How all of these keys are translated in a Word Processing Application (Microsoft Word)

#### Expected Skills to be demonstrated:

1. Knowledge of the location of each key on the keyboard
2. Knowledge of each key and its function
3. Proper use of these keys in Word Processing Applications
4. Knowledge of common key combinations (Ctrl + ALT + Delete)

#### PA Standards/Anchors:

<table>
<thead>
<tr>
<th>PA Standard 3.7.3 C</th>
<th>ISTE Standard 6a</th>
</tr>
</thead>
</table>

#### 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 (Application Assignment)
- 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.
Due to the changing nature of technology this curriculum is subject to change as new technologies are invented and made available.
Grade level: 3rd Grade  Course Title: Computers  Topic/Concept: Spelling/Grammar Check (M. Word)

Time Allotment: 1 session  Unit Sequence: 4

Major Concepts to be learned:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>How to recognized spelling and grammar mistakes in M. Word</td>
</tr>
<tr>
<td>2.</td>
<td>The three different ways to make spelling and grammar corrections in M. Word (Review Tab, Bottom Book, Right Click)</td>
</tr>
</tbody>
</table>

Expected Skills to be demonstrated:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>2.</td>
<td>Ability to fix each spelling/grammar mistake in M. Word</td>
</tr>
<tr>
<td>3.</td>
<td>Knowledge of exceptions to spelling/grammar that would require ignoring the underline</td>
</tr>
</tbody>
</table>

PA Standards/Anchors:  Eligible Content:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PA Standard 3.7.3 D  ISTE Standard 6a</td>
<td>• Work with the computer by using basic computer software  • Use educational software to manipulate the keyboard or mouse  • Identify basic computer operations</td>
</tr>
</tbody>
</table>

Instructional Strategies:  Assessments:

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Teacher Demonstration on the Smartboard  Student Interaction Using Smartboard  Guided Student Practice on Computers  Independent Student Practice on Computers</td>
<td>• Computer Based Project (Application Assignment)  • Teacher Observation</td>
</tr>
</tbody>
</table>

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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: 3rd Grade  
Course Title: Computers  
Topic/Concept: Keyboarding  

Time Allotment: 18 sessions  
Unit Sequence: 7

Major Concepts to be learned:

1. Using keyboarding software students will learn the home row keys and additional keys that require a finger reach.
2. Students will learn the location of keys on the keyboard by applying proper hand positioning (home row)
3. Students will accurately type the lessons that are presented to them.

Expected Skills to be demonstrated:

1. Knowledge of the home row keys and additional keys that require finger reaches
2. Proficient use of the keys they have learned
3. Accuracy levels in typing that range in the 90% and above

PA Standards/Anchors:

<table>
<thead>
<tr>
<th>PA Standard 3.7.3 C</th>
<th>Eligible Content:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISTE Standard 6a</td>
<td>• Identify Basic Computer Operations</td>
</tr>
<tr>
<td></td>
<td>• Use Educational software to manipulate the keyboard</td>
</tr>
<tr>
<td></td>
<td>• Understand and use technology systems</td>
</tr>
</tbody>
</table>

Instructional Strategies:

- Teacher Demonstration on the Smartboard
- Guided Student Practice on Computers via Software Application
- Independent Student Practice on Computers

Assessments:

- Typing Program Lesson Tests
- Accuracy Readings in the Program
- Progress in the Program displayed on keyboard

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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: 3rd Grade 
Course Title: Computers 
Topic/Concept: Wikispaces (Editing Webpages) 
Time Allotment: 2 sessions 
Unit Sequence: 10 

Major Concepts to be learned:

1. How to edit a wikipage(webpage) by adding text
2. How to edit a wikipage(Webpage) by adjusting the format of the text

Expected Skills to be demonstrated:

1. Ability to edit a wikipage by adding text
2. Ability to edit the text on a wikipage using the editor toolbar and the T tool.
3. Knowledge of how to improve the overall look of a webpage through text formatting

PA Standards/Anchors: 
- PA Standard 3.7.3 D
- PA Standard 1.2.3 B
- PA Standard 3.7.3 E
- ISTE Standard 5 a

Eligible Content:
- Use a computer as a form of media to gain information
- Understand and use technology systems
- Transfer current knowledge to the learning of new applications

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

Assessments:
- Computer Based Application Assignment (Edit own wikipage)
- Teacher Observation using Checklist

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<table>
<thead>
<tr>
<th>Grade level:</th>
<th><strong>3rd Grade</strong>__</th>
<th>Course Title:</th>
<th><strong>Computers</strong></th>
<th>Topic/Concept:</th>
<th><strong>Wikispaces (Uploading Files)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Time Allotment:</td>
<td><strong>2 sessions</strong></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Major Concepts to be learned:**

1. How to upload files from a computer to a wikipage

**Expected Skills to be demonstrated:**

1. Ability to use the editor toolbar to upload a file from a computer onto a webpage
2. Ability to move that file to a specific location on a webpage

**PA Standards/Anchors:**

<table>
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<tr>
<th>PA Standard 3.7.3 D</th>
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<th>PA Standard 3.7.3 E</th>
<th>ISTE Standard 5 a</th>
</tr>
</thead>
</table>

**Eligible Content:**

- Use a computer as a form of media to gain information
- Understand and use technology systems
- Transfer current knowledge to the learning of new applications

**Instructional Strategies:**

- Teacher Demonstration on the Smartboard
- Guided Student Practice on Computers
- Independent Student Practice on Computers

**Assessments:**

- Computer Based Application Assignment (Upload to wikipages)
- Teacher Observation using Checklist
Grade level: 3rd Grade  Course Title: Computers  Topic/Concept: Wikispaces vs. Traditional Websites

Time Allotment: 1 session  Unit Sequence: 13

Major Concepts to be learned:

1. Recognize the difference between traditional websites and wikispages
2. How to edit wikispaces of others

Expected Skills to be demonstrated:

1. Knowledge that wikispaces are different then traditional websites because of the editing capabilities
2. Ability to edit a wikispage that does not belong to them
3. Use appropriate editing skills to improve the quality of someone’s wikispage

PA Standards/Anchors:

<table>
<thead>
<tr>
<th>PA Standard 2.3.3 A</th>
<th>Eligible Content:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISTE Standard 6b</td>
<td>• Use a computer as a form of media to gain information</td>
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<td>• Understand and use technology systems</td>
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<tr>
<td></td>
<td>• Transfer current knowledge to the learning of new applications</td>
</tr>
<tr>
<td></td>
<td>• Select appropriate application to complete a task effectively</td>
</tr>
</tbody>
</table>

Instructional Strategies:

Teacher Demonstration on the Smartboard  Independent Student Practice on Computers

Assessments:

• Computer Based Application Assignment (Editing wikispaces)  
• Teacher Observation using Checklist

Due to the changing nature of technology this curriculum is subject to change as new technologies are invented and made available.
Grade level: **3rd Grade**  
Course Title: **Computers**  
Topic/Concept: **Internet Vocabulary / Uses**  
Time Allotment: **3 sessions**  
Unit Sequence: **14**

**Major Concepts to be learned:**

1. The proper terminology used with internet use  
2. The function/name of all of the buttons on the internet toolbar  
3. How to add a favorite to the favorites list  
4. How to complete a basic internet search

**Expected Skills to be demonstrated:**

1. Knowledge of the proper vocabulary used internet use (browser, windows, tabs, link, search bar vs. address bar)  
2. Knowledge of the buttons on the internet toolbar and their uses  
3. Ability to add a site to the favorites list  
4. Ability to conduct a one word internet search  
5. Ability to type an address in the address bar

**PA Standards/Anchors:**

<table>
<thead>
<tr>
<th>PA Standard 3.7.3 D</th>
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<th>PA Standard 3.7.3 E</th>
<th>ISTE Standard 5 a</th>
</tr>
</thead>
</table>

**Eligible Content:**

- Use a computer as a form of media to gain information  
- Understand and use technology systems  
- Transfer current knowledge to the learning of new applications

**Instructional Strategies:**

- Teacher Demonstration on the Smartboard  
- Guided Student Practice on the Computers  
- Independent Student Practice on Computers

**Assessments:**

- Test  
- Computer Based Project (Application Assignment)  
- 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: 3rd Grade  
Course Title: Computers  
Topic/Concept: Internet vs. Book Research  
Time Allotment: 2 sessions  
Unit Sequence: 16

Major Concepts to be learned:
1. Comparing the Internet vs. Book research using a Venn Diagram
2. The importance of using both methods when conducting research

Expected Skills to be demonstrated:
1. Recognizing the difference between book and internet research
2. Recognizing the similarities between book and internet research

PA Standards/Anchors:  
PA Standard 2.3.3 A  
ISTE Standard 6b

Eligible Content:
- Use a computer as a form of media to gain information
- Understand and use technology systems
- Transfer current knowledge to the learning of new applications
- Select appropriate application to complete a task effectively

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

Assessments:
- Written Test

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