

Technology Course of Study 2014



Wickliffe City School District
2221 Rockefeller Road
Wickliffe, Ohio 44092

February, 2014

Wickliffe City Schools
9-12 Computer Applications Pacing Guide

Quarter 1	
Unit	Standards
MS Office Word <u>Unit 1</u> -August, September <u>Unit 2</u> - September <u>Unit 3</u> -September <u>Unit 4</u> -October <u>Unit 5</u> - October	(NETS) 1. Creativity and Innovation. 2. Communication and Collaboration. 3. Research and Information Fluency. 4. Critical Thinking, Problem Solving, and Decision Making. 5. Digital Citizenship. 6. Technology Operations and Concepts. Common Core Standards: 1.Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); 2.Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details)
Quarter 2	
Unit	Standards
Quarter 2 MS Office Excel <u>Unit 1</u> -November <u>Unit 2</u> - November <u>Unit 3</u> - November <u>Unit 4</u> -December MS Office PowerPoint <u>Unit 1</u> - December <u>Unit 1</u> Adobe Product Overview	(NETS) 1. Creativity and Innovation. 2. Communication and Collaboration. 3. Research and Information Fluency. 4. Critical Thinking, Problem Solving, and Decision Making. 5. Digital Citizenship. 6. Technology Operations and Concepts. Common Core Standards: 1.Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); 2.Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details) 3. (Unit 4) Translate quantitative or technical information expressed in words in a text into visual form (e.g. table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.

Wickliffe City Schools
9-12 Computer Applications 2 Pacing Guide

Quarter 1	
Units	Standards
MS Publisher Unit 1-August Unit 2-September Unit 3-September Unit 4-September Unit 5-September Unit 6-September Unit 7-October Unit 8-October Unit 9-October	(NETS--for students): (1.) Creativity and Innovation--Create original works as a means of personal or group expression (4.) Critical Thinking, Problem Solving, and Decision Making--Plan and manage activities to develop a solution or complete a project (6.) Technology Operations and Concepts--Select and use applications effectively and productively; Troubleshoot systems and applications (Common Core Standards): Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details)
Quarter 2	
Units	Standards
MS Access Unit 1-November Unit 2-November Unit 3-November, Unit 4-November Adobe Overview-December Google Drive-December, January	(NETS--for students): (1.) Creativity and Innovation--Create original works as a means of personal or group expression (4.) Critical Thinking, Problem Solving, and Decision Making--Plan and manage activities to develop a solution or complete a project (6.) Technology Operations and Concepts--Select and use applications effectively and productively; Troubleshoot systems and applications (Common Core Standards): Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details)

Wickliffe City Schools
9-12 Graphic Design Technology Pacing Guide

Quarter 1	
Unit	Standards
<p>Adobe Photoshop</p> <p><u>Unit 1</u>-Editing a photo</p> <p><u>Unit 2</u>- Using the Selection tools and shortcut keys.</p> <p><u>Unit 3</u> – Working with layers.</p> <p><u>Unit 4</u> -</p>	<p>(NETS) 1. Creativity and Innovation. 2. Communication and Collaboration. 3. Research and Information Fluency. 4. Critical Thinking, Problem Solving, and Decision Making. 5. Digital Citizenship. 6. Technology Operations and Concepts.</p> <p>Common Core Standards: 1.Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); 2.Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details) 3. (Unit 4) Translate quantitative or technical information expressed in words in a text into visual form (e.g. table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.</p>
Quarter 2	
Units	Standards
<p style="text-align: center;">Quarter 2</p> <p>Adobe Photoshop</p> <p>Unit 5-</p> <p>Unit 6-</p> <p>Unit 7-</p> <p>Unit 8 – e portfolio final project</p>	<p>(NETS) 1. Creativity and Innovation. 2. Communication and Collaboration. 3. Research and Information Fluency. 4. Critical Thinking, Problem Solving, and Decision Making. 5. Digital Citizenship. 6. Technology Operations and Concepts.</p> <p>Common Core Standards: 1.Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); 2.Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details) 3. (Unit 4) Translate quantitative or technical information expressed in words in a text into visual form (e.g. table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.</p>

Wickliffe City Schools
9-12 Graphic Design 2 Pacing Guide

Quarter 1	
Unit	Standards
Adobe Illustrator Getting started with Illustrator Creating digital text and gradients Drawing and Composing digital Illustrations Transforming and Distorting Objects Working with Layers	(<u>NETS</u>) 1. Creativity and Innovation. 2. Communication and Collaboration. 3. Research and Information Fluency. 4. Critical Thinking, Problem Solving, and Decision Making. 5. Digital Citizenship. 6. Technology Operations and Concepts. <u>Common Core Standards:</u> 1. Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in technical context relevant to grades 9-10(texts and topics); 2. Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details) 3. (Unit 4) Translate quantitative or technical information expressed in words in a text into visual form (e.g. table information expressed visually or mathematically (e.g., in an equation) into words.
Quarter 2	
Unit	Standards
Adobe Illustrator Working with patterns and brushes Working with filters, gradient meshes, envelopes and blends Working with Transparency, Effects and Graphic Styles Graphs in Illustrator Semester Projects and E-Portfolio	(<u>NETS</u>) 1. Creativity and Innovation. 2. Communication and Collaboration. 3. Research and Information Fluency. 4. Critical Thinking, Problem Solving, and Decision Making. 5. Digital Citizenship. 6. Technology Operations and Concepts. <u>Common Core Standards:</u> 1. Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in technical context relevant to grades 9-10(texts and topics); 2. Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details) 3. (Unit 4) Translate quantitative or technical information expressed in words in a text into visual form (e.g. table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.

Wickliffe City Schools
9-12 Computer Animation Pacing Guide

Quarter 1	
Units	Standards
Adobe Flash Unit 1-August, September Unit 2-September Unit 3-October Unit 4-October, November	(NETS--for students): (1.) Creativity and Innovation--Create original works as a means of personal or group expression (4.) Critical Thinking, Problem Solving, and Decision Making--Plan and manage activities to develop a solution or complete a project (6.) Technology Operations and Concepts--Select and use applications effectively and productively; Troubleshoot systems and applications (Common Core Standards): Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details)
Quarter 2	
Units	Standards
Adobe Flash Unit 4-November Unit 5-November, December Unit 6-December	(NETS--for students): (1.) Creativity and Innovation--Create original works as a means of personal or group expression (4.) Critical Thinking, Problem Solving, and Decision Making--Plan and manage activities to develop a solution or complete a project (6.) Technology Operations and Concepts--Select and use applications effectively and productively; Troubleshoot systems and applications (Common Core Standards): Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details)

Wickliffe City Schools
9-12 Computer Video Pacing Guide

Quarter 1	
Units	Standards
Audio/Audacity Unit 1-August, September Video Unit 1-September Windows Movie Maker Unit 1-September Adobe After Effects Unit 1-October Unit 2-October Unit 3-October Unit 4-October	(NETS--for students): (1.) Creativity and Innovation--Create original works as a means of personal or group expression (4.) Critical Thinking, Problem Solving, and Decision Making--Plan and manage activities to develop a solution or complete a project (6.) Technology Operations and Concepts--Select and use applications effectively and productively; Troubleshoot systems and applications (Common Core Standards): Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details)
Quarter 2	
Units	Standards
Adobe After Effects Unit 5-November Unit 6-November Unit 7-November Unit 8-November Adobe Premiere Unit 1-December Unit 2-December Unit 3-December Unit 4-December Unit 5-December Unit 6-January Unit 7-January	(NETS--for students): (1.) Creativity and Innovation--Create original works as a means of personal or group expression (4.) Critical Thinking, Problem Solving, and Decision Making--Plan and manage activities to develop a solution or complete a project (6.) Technology Operations and Concepts--Select and use applications effectively and productively; Troubleshoot systems and applications (Common Core Standards): Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details)

Wickliffe City Schools
9-12 Web Design 1 Pacing Guide

Quarter 1	
Units	Standards
Adobe Dreamweaver Unit 1-August, September Unit 2-September Unit 3-September Unit 4-September Unit 5-September, October Adobe Flash Unit 1-October Unit 2-October Unit 3-October Unit 4-October Unit 5-October	(NETS--for students): (1.) Creativity and Innovation--Create original works as a means of personal or group expression (4.) Critical Thinking, Problem Solving, and Decision Making--Plan and manage activities to develop a solution or complete a project (6.) Technology Operations and Concepts--Select and use applications effectively and productively; Troubleshoot systems and applications (Common Core Standards): Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details)
Quarter 2	
Units	Standards
Adobe Flash Unit 6-November Unit 7-November Unit 8-November Adobe Fireworks Unit 1-November Unit 2-November Unit 3-November Unit 4-December Unit 5-December Unit 6-December Unit 7-December Unit 8-December Unit 9-January	(NETS--for students): (1.) Creativity and Innovation--Create original works as a means of personal or group expression (4.) Critical Thinking, Problem Solving, and Decision Making--Plan and manage activities to develop a solution or complete a project (6.) Technology Operations and Concepts--Select and use applications effectively and productively; Troubleshoot systems and applications (Common Core Standards): Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details)

Wickliffe City Schools
9-12 Web Design 2 Pacing Guide

Quarter 1	
Units	Standards
HTML Unit 1-August, September Unit 2-September Unit 3-September, October Unit 4-October	(NETS--for students): (1.) Creativity and Innovation--Create original works as a means of personal or group expression (4.) Critical Thinking, Problem Solving, and Decision Making--Plan and manage activities to develop a solution or complete a project (6.) Technology Operations and Concepts--Select and use applications effectively and productively; Troubleshoot systems and applications (Common Core Standards): Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details)
Quarter 2	
Units	Standards
HTML Unit 4-November Unit 5-November Unit 6-November, December Unit 7-December Unit 8-December, January	(NETS--for students): (1.) Creativity and Innovation--Create original works as a means of personal or group expression (4.) Critical Thinking, Problem Solving, and Decision Making--Plan and manage activities to develop a solution or complete a project (6.) Technology Operations and Concepts--Select and use applications effectively and productively; Troubleshoot systems and applications (Common Core Standards): Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details)

Wickliffe City Schools
Grade or Course 10-12 Yearbook Pacing Guide

Quarter 1	
Unit	Standards
Unit 1 – The Yearbook and Yearbook Avenue Desktop Publishing Program	<p>(NETS) 1. Creativity and Innovation. 2. Communication and Collaboration. 3. Research and Information Fluency. 4. Critical Thinking, Problem Solving, and Decision Making. 5. Digital Citizenship. 6. Technology Operations and Concepts.</p> <p><u>National Council of Teachers of English</u> <u>Standard #4:</u> Students adjust their use of spoken, written, and visual language to communicate effectively with a variety of audiences for different purposes. <u>Standard # 5</u> Students employ a wide range of strategies as they write and use different writing process elements appropriately to communicate with different audiences for different purposes. <u>Standard #6</u> Students apply knowledge of language structure, language conventions (spelling, and punctuation) media techniques, figurative language, and genre to create, critique, and discuss print and non-print texts. <u>Standard #7</u> Students conduct research on issues and interests by generating ideas and questions, and by posing problems. They gather, evaluate, and synthesize data from a variety of sources (print and nonprint texts, artifacts, people) to communicate their discoveries in ways that suit their purpose and audience. <u>Standard #12</u> Students use spoken, written, and visual language to accomplish their own purposes (learning, enjoyment, persuasion, and the exchange of information) <u>Common Core Standards:</u> 1. Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts and topics); 2. Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, tasks attending to special cases or exceptions defined in the text (key ideas and details)</p>
Unit 2- Teamwork	
Unit 3- Responsibility	
Unit 4 – Brainstorming	
Unit 5- Content	
Unit 6- Coverage	
Unit 15 - Design 1	
Unit 13- Photography 2 Weeks of full Yearbook Production	
Quarter 2	
Unit	Standards
Unit 7- Concept	<p>(NETS) 1. Creativity and Innovation. 2. Communication and Collaboration. 3. Research and Information Fluency. 4. Critical Thinking, Problem Solving, and Decision Making.</p>
Unit 8-	

Reporting	5. Digital Citizenship.
Unit 9- Writing	6. Technology Operations and Concepts.
Unit 10- Headlines	<u>National Council of Teachers of English</u>
Unit 11- Captions	<u>Standard #4:</u> Students adjust their use of spoken, written, and visual language to communicate Effectively with a variety of audiences for different purposes.
Unit 15- Design 2	<u>Standard # 5</u> Students employ a wide range of strategies as they write and use different Writing process elements appropriately to communicate with different audiences for different purposes.
Unit 16- Graphics	<u>Standard #6</u> Students apply knowledge of language structure, language conventions (spelling, And punctuation) media techniques, figurative language, and genre to create, critique, and discuss print And non-print texts.
1 week of yearbook production	<u>Standard #7</u> Students conduct research on issues and interests by generating ideas and questions, and by Posing problems. They gather, evaluate, and synthesize data from a variety of sources (print and Non-print texts, artifacts, people) to communicate their discoveries in ways that suit their purpose and Audience.
	<u>Standard #12</u> Students use spoken, written, and visual language to accomplish their own purposes (learni Enjoyment, persuasion, and the exchange of information)
	<u>Common Core Standards:</u>
	1.Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they ar or technical context relevant to grades 9-10(texts and topics);
	2.Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details) Standards

Quarter 3

Unit	Standards
Unit 15 - Design 3	(NETS) 1. Creativity and Innovation.
Unit 16- Graphics 2,3	2. Communication and Collaboration.
Unit 18- Campaigns, Marketing, and Advertising	3. Research and Information Fluency.
Unit 19- Distribution	4. Critical Thinking, Problem Solving, and Decision Making.
	5. Digital Citizenship.
	6. Technology Operations and Concepts.
	<u>National Council of Teachers of English</u>
	<u>Standard #4:</u> Students adjust their use of spoken, written, and visual language to communicate Effectively with a variety of audiences for different purposes.
	<u>Standard # 5</u> Students employ a wide range of strategies as they write and use different Writing process elements appropriately to communicate with different audiences for different purposes.
	<u>Standard #6</u> Students apply knowledge of language structure, language conventions (spelling, and punctuation) media techniques, figurative language, and genre to create, critique, and discuss print

*Two weeks of full production	<p>and non-print texts.</p> <p><u>Standard #7</u> Students conduct research on issues and interests by generating ideas and questions, and by posing problems. They gather, evaluate, and synthesize data from a variety of sources (print and non-print texts, artifacts, people) to communicate their discoveries in ways that suit their purpose and audience.</p> <p><u>Standard #12</u> Students use spoken, written, and visual language to accomplish their own purposes (learn for enjoyment, persuasion, and the exchange of information)</p> <p><u>Common Core Standards:</u></p> <ol style="list-style-type: none"> 1. Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used in technical context relevant to grades 9-10 (texts and topics); 2. Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details)
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Quarter 4

Unit	Standards
<p>Quarter 4</p> <p>Unit 14- Typography</p> <p>Unit 15- Design 1,2, and 3 using Adobe In-Design instead of Yearbook Avenue Design 1,2,and3 using Photoshop instead of Yearbook Avenue to edit photographs</p> <p>3weeks of full production and other year-end yearbook tasks of selling, reporting, coverage, and content.</p>	<p>(NETS) 1. Creativity and Innovation. 2. Communication and Collaboration. 3. Research and Information Fluency. 4. Critical Thinking, Problem Solving, and Decision Making. 5. Digital Citizenship. 6. Technology Operations and Concepts.</p> <p><u>National Council of Teachers of English</u></p> <p><u>Standard #4:</u> Students adjust their use of spoken, written, and visual language to communicate effectively with a variety of audiences for different purposes.</p> <p><u>Standard # 5</u> Students employ a wide range of strategies as they write and use different writing process elements appropriately to communicate with different audiences for different purposes.</p> <p><u>Standard #6</u> Students apply knowledge of language structure, language conventions (spelling, And punctuation) media techniques, figurative language, and genre to create, critique, and discuss print And non-print texts.</p> <p><u>Standard #7</u> Students conduct research on issues and interests by generating ideas and questions, and by Posing problems. They gather, evaluate, and synthesize data from a variety of sources (print and non-print texts, artifacts, people) to communicate their discoveries in ways that suit their purpose and audience.</p> <p><u>Standard #12</u> Students use spoken, written, and visual language to accomplish their own purposes (learn for enjoyment, persuasion, and the exchange of information)</p> <p><u>Common Core Standards:</u></p> <ol style="list-style-type: none"> 1. Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are

	or technical context relevant to grades 9-10(texts and topics); 2.Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text (key ideas and details)
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