Technology Course of Study 2014



Wickliffe City School District 2221 Rockefeller Road Wickliffe, Ohio 44092

Wickliffe City Schools 9-12 Computer Applications Pacing Guide

Quarter 1	
Unit	Standards
	(NETS) 1. Creativity and Innovation.
MS Office Word	2. Communication and Collaboration.
	3. Research and Information Fluency.
Unit 1-August, September	4. Critical Thinking, Problem Solving, and Decision Making.
<u>Unit 2-</u> September	5. Digital Citizenship.
<u>Unit 3</u> -September	6. Technology Operations and Concepts.
<u>Unit 4</u> -October	Common Core Standards:
<u>Unit 5</u> - October	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	(NETS) 1. Creativity and Innovation.
MS Office Excel	2. Communication and Collaboration.
<u>Unit 1</u> -November	3. Research and Information Fluency.
<u>Unit 2-</u> November	4. Critical Thinking, Problem Solving, and Decision Making.
<u>Unit 3</u> - November	5. Digital Citizenship.
<u>Unit 4</u> -December	6. Technology Operations and Concepts.
	Common Core Standards:
MS Office PowerPoint	1.Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are
<u>Unit 1</u> - December	used in specific scientific or technical context relevant to grades 9-10(texts and topics);
<u>Unit 1</u> Adobe Product	2.Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or
Overview	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	(NETSfor students): (1.) Creativity and InnovationCreate original works as a means of personal
Unit 1-August	or group expression (4.) Critical Thinking, Problem Solving, and Decision MakingPlan and
Unit 2-September	manage activities to develop a solution or complete a project (6.) Technology Operations and
Unit 3-September	ConceptsSelect and use applications effectively and productively; Troubleshoot systems and
Unit 4-September	applications
Unit 5-September	(Common Core Standards): Determine the meaning of symbols, key terms, and other domain-
Unit 6-September	specific words, and phrases as they are used in specific scientific or technical context relevant to
Unit 7-October	grades 9-10(texts and topics); Follow precisely a complex multistep procedure when carrying out
Unit 8-October	experiments, taking measurements, or performing technical tasks attending to special cases or
Unit 9-October	exceptions defined in the text (key ideas and details)
Quarter 2	
Units	Standards
MS Access	(NETSfor students): (1.) Creativity and InnovationCreate original works as a means of personal
Unit 1-November	or group expression (4.) Critical Thinking, Problem Solving, and Decision MakingPlan and
Unit 2-November	manage activities to develop a solution or complete a project (6.) Technology Operations and
Unit 3-November,	ConceptsSelect and use applications effectively and productively; Troubleshoot systems and
Unit 4-November	applications
	(Common Core Standards): Determine the meaning of symbols, key terms, and other domain-
Adobe Overview-December	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
Google Drive-December, January	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
Adobe Photoshop	(<u>NETS</u>) 1. Creativity and Innovation.
_	2. Communication and Collaboration.
<u>Unit 1</u> -Editing a photo	3. Research and Information Fluency.
<u>Unit 2-</u> Using the	4. Critical Thinking, Problem Solving, and Decision Making.
Selection tools and	5. Digital Citizenship.
shortcut keys.	6. Technology Operations and Concepts.
<u>Unit 3</u> – Working with	Common Core Standards:
layers.	1.Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used
<u>Unit 4</u> -	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.
Quarter 2	
Units	Standards
Quarter 2	(NETS) 1. Creativity and Innovation.
	2. Communication and Collaboration.
Adobe Photoshop	3. Research and Information Fluency.
	4. Critical Thinking, Problem Solving, and Decision Making.
Unit 5-	5. Digital Citizenship.
Unit 6-	6. Technology Operations and Concepts.
Unit 7-	Common Core Standards:
Unit 8 – e portfolio	1.Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are used
final project	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 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	 (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. <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 perforattending 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	 (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 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	(NETSfor students): (1.) Creativity and InnovationCreate original works as a means of personal or group expression (4.) Critical Thinking, Problem Solving, and Decision MakingPlan and manage activities to develop a solution or complete a project (6.) Technology Operations and ConceptsSelect 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	(NETSfor students): (1.) Creativity and InnovationCreate original works as a means of personal or group expression (4.) Critical Thinking, Problem Solving, and Decision MakingPlan and manage activities to develop a solution or complete a project (6.) Technology Operations and ConceptsSelect 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	(NETSfor students): (1.) Creativity and InnovationCreate original works as a means of personal or group
Unit 1-August, September	expression (4.) Critical Thinking, Problem Solving, and Decision MakingPlan and manage activities to
Video	develop a solution or complete a project (6.) Technology Operations and ConceptsSelect and use
Unit 1-September	applications effectively and productively; Troubleshoot systems and applications
Windows Movie Maker	(Common Core Standards): Determine the meaning of symbols, key terms, and other domain-specific
Unit 1-September	words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts
Adobe After Effects	and topics); Follow precisely a complex multistep procedure when carrying out experiments, taking
Unit 1-October	measurements, or performing technical tasks attending to special cases or exceptions defined in the text
Unit 2-October	(key ideas and details)
Unit 3-October	
Unit 4-October	
Quarter 2	
Units	Standards
Adobe After Effects	(NETSfor students): (1.) Creativity and InnovationCreate original works as a means of personal or group
Unit 5-November	expression (4.) Critical Thinking, Problem Solving, and Decision MakingPlan and manage activities to
Unit 6-November	develop a solution or complete a project (6.) Technology Operations and ConceptsSelect and use
Unit 7-November	applications effectively and productively; Troubleshoot systems and applications
Unit 8-November	(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
Adobe Premiere	and topics); Follow precisely a complex multistep procedure when carrying out experiments, taking
Unit 1-December	measurements, or performing technical tasks attending to special cases or exceptions defined in the text
Unit 2-December	(key ideas and details)
Unit 3-December	
Unit 4-December	
Unit 5-December	
Unit 6-January	
Unit 7-January	

Wickliffe City Schools 9-12 Web Design 1 Pacing Guide

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

Wickliffe City Schools 9-12 Web Design 2 Pacing Guide

Quarter 1	
Units	Standards
HTML	(NETSfor students): (1.) Creativity and InnovationCreate original works as a means of personal or group
Unit 1-August, September	expression (4.) Critical Thinking, Problem Solving, and Decision MakingPlan and manage activities to
Unit 2-September	develop a solution or complete a project (6.) Technology Operations and ConceptsSelect and use
Unit 3-September,	applications effectively and productively; Troubleshoot systems and applications
October	(Common Core Standards): Determine the meaning of symbols, key terms, and other domain-specific
Unit 4-October	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	(NETSfor students): (1.) Creativity and InnovationCreate original works as a means of personal or group
Unit 4-November	expression (4.) Critical Thinking, Problem Solving, and Decision MakingPlan and manage activities to
Unit 5-November	develop a solution or complete a project (6.) Technology Operations and ConceptsSelect and use
Unit 6-November,	applications effectively and productively; Troubleshoot systems and applications
December	(Common Core Standards): Determine the meaning of symbols, key terms, and other domain-specific
Unit 7-December	words, and phrases as they are used in specific scientific or technical context relevant to grades 9-10(texts
Unit 8-December, January	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

Quanton 1	Grade of Course 10-12 Tearbook Facing Guide
Quarter 1	
Unit	Standards
Unit 1 – The Yearbook and	(<u>NETS</u>) 1. Creativity and Innovation.
Yearbook Avenue Desktop	2. Communication and Collaboration.
Publishing Program	3. Research and Information Fluency.
	4. Critical Thinking, Problem Solving, and Decision Making.
Unit 2- Teamwork	5. Digital Citizenship.
	6. Technology Operations and Concepts.
Unit 3- Responsibility	National Council of Teachers of English
	Standard #4: Students adjust their use of spoken, written, and visual language to communicate
Unit 4 – Brainstorming	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
Unit 5-	Writing process elements appropriately to communicate with different audiences for different purposes.
Content	<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
Unit 6- Coverage	And non-print texts.
	Standard #7 Students conduct research on issues and interests by generating ideas and questions, and by
Unit 15 - Design 1	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
Unit 13- Photography	Audience.
2 Weeks of full Yearbook Production	Standard #12 Students use spoken, written, and visual language to accomplish their own purposes
FIGUICION	(learning, enjoyment, persuasion, and the exchange of information) 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,
	tasks attending to special cases or exceptions defined in the text (key ideas and details)
Quarter 2	tasks attending to special cases of exceptions defined in the text (key fileas and details)
6	Standarda
Unit	Standards
Unit 7-	(<u>NETS</u>) 1. Creativity and Innovation.
Concept	2. Communication and Collaboration.
	3. Research and Information Fluency.
Unit 8-	4. Critical Thinking, Problem Solving, and Decision Making.

Reporting	5. Digital Citizenship.
	6. Technology Operations and Concepts.
Unit 9-	National Council of Teachers of English
Writing	Standard #4: Students adjust their use of spoken, written, and visual language to communicate
	Effectively with a variety of audiences for different purposes.
Unit 10-	Standard # 5 Students employ a wide range of strategies as they write and use different
Headlines	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,
Unit 11-	And punctuation) media techniques, figurative language, and genre to create, critique, and discuss print
Captions	And non-print texts.
	Standard #7 Students conduct research on issues and interests by generating ideas and questions, and by
Unit 15-	Posing problems. They gather, evaluate, and synthesize data from a variety of sources (print and
Design 2	Non-print texts, artifacts, people) to communicate their discoveries in ways that suit their purpose and
	Audience.
Unit 16-	Standard #12 Students use spoken, written, and visual language to accomplish their own purposes (learni
Graphics	Enjoyment, persuasion, and the exchange of information)
	Common Core Standards:
1 week of yearbook	1.Determine the meaning of symbols, key terms, and other domain-specific words, and phrases as they are
production	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 -	(<u>NETS</u>) 1. Creativity and Innovation.
Design 3	2. Communication and Collaboration.
	3. Research and Information Fluency.
Unit 16-	4. Critical Thinking, Problem Solving, and Decision Making.
Graphics 2,3	5. Digital Citizenship.
	6. Technology Operations and Concepts.
Unit 18-	National Council of Teachers of English
Campaigns, Marketing, and	Standard #4: Students adjust their use of spoken, written, and visual language to communicate
Advertising	Effectively with a variety of audiences for different purposes.
	Standard # 5 Students employ a wide range of strategies as they write and use different
Unit 19-	Writing process elements appropriately to communicate with different audiences for different purposes.
Distribution	<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

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*Two weeks of full	and non-print texts.
production	Standard #7 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.
	Standard #12 Students use spoken, written, and visual language to accomplish their own purposes (learni
	Enjoyment, persuasion, and the exchange of information)
	Common Core Standards:
	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)
Quarter 4	
Unit	Standards
Quarter 4	(<u>NETS</u>) 1. Creativity and Innovation.
	2. Communication and Collaboration.
Unit 14-	3. Research and Information Fluency.
Typography	4. Critical Thinking, Problem Solving, and Decision Making.
	5. Digital Citizenship.
Unit 15-	6. Technology Operations and Concepts.
Design 1,2, and 3 using	National Council of Teachers of English
Adobe In-Design instead of	Standard #4: Students adjust their use of spoken, written, and visual language to communicate
Yearbook Avenue	Effectively with a variety of audiences for different purposes.
Design 1,2,and3 using	Standard # 5 Students employ a wide range of strategies as they write and use different
Photoshop instead of	Writing process elements appropriately to communicate with different audiences for different purposes.
Yearbook Avenue to edit	Standard #6 Students apply knowledge of language structure, language conventions (spelling,
photographs	And punctuation) media techniques, figurative language, and genre to create, critique, and discuss print
	And non-print texts.
3weeks of full production	Standard #7 Students conduct research on issues and interests by generating ideas and questions, and by
and other year-end	Posing problems. They gather, evaluate, and synthesize data from a variety of sources (print and
yearbook tasks of selling,	non-print texts, artifacts, people) to communicate their discoveries in ways that suit their purpose and
reporting, coverage, and	audience.
content.	Standard #12 Students use spoken, written, and visual language to accomplish their own purposes (learni
	Enjoyment, persuasion, and the exchange of information)
	Common Core Standards:
	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)