

AFNORTH International Elementary Technology Curriculum

NETS Standards	IY 1 & 2 Students will learn:	Recommended Software & Units	Assessment
1. Basic Operations & Concepts	<ul style="list-style-type: none"> • the parts of the computer • click & drag, double click • to begin to use a digital camera. • to send documents to multiple printers. 	1c Clicker 4 Espresso Driving Test	I can name the parts of the computer.
2. Social & Ethical	<ul style="list-style-type: none"> • to use the computer appropriately • to work collaboratively & cooperatively in a group 		I know how to use the computer properly to prevent damage.
3. Technology Productivity & Research Tools	<ul style="list-style-type: none"> • to know that information exists in various forms including electronic 		I can explore information from various sources, and know that information exists in different forms.
4. Technology Communication	<ul style="list-style-type: none"> • to use a word bank, begin to type words onto a page • to represent information graphically: pictograms, use graphing package 	1b Clicker 4 1d Counting Pictures 2 Count	<ul style="list-style-type: none"> • I can talk about my use of technology. • I can use technology to work with text and images to share my ideas.
5. Technology Problem-Solving	<ul style="list-style-type: none"> • to know that computers can represent real or fantasy situations • to input instructions into a device to make it move to a final destination • to predict an outcome • to produce and modify a set of instructions for a robot to follow 	1a My World Albert's House 1e 2 Go Bee Bots	<ul style="list-style-type: none"> • I can recognize that everyday devices respond to signals and instructions. • I can choose to change the instructions to produce a different result.

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NETS	IY 3 Students will learn:	Recommended Software & Units	Assessment
1. Basic Operations & Concepts	<ul style="list-style-type: none"> • to be familiar with keyboard, retrieve work that has been saved and identify computer components • to continue to use the digital camera & sending documents to multiple printers • to logon/logoff computers on the network • to create pictures using graphics package 	2B Dazzle 3 Kid Pix 2Create a Story	<ul style="list-style-type: none"> • I am becoming familiar with the keyboard. • I can retrieve work that has been saved. • I can identify computer components, • I can create pictures using a graphics package.
2. Social & Ethical	<ul style="list-style-type: none"> • to discuss uses and safety rules of ICT inside and outside of school 	I Safe	I can discuss uses and safety rules of ICT inside and outside of school.
3. Technology Productivity & Research Tools	<ul style="list-style-type: none"> • to write stories using a word processor to produce sentences that communicate meaning • to find information from a CD-ROM package or online in house resources (Espresso) • that there are different programs for presenting & collecting data, questions can be asked in different ways to find out answers 	2a Word Textease Wiggleworks 2Create a Story 2c online subscriptions 2 e Counting pictures 2 Count Information Workshop	<ul style="list-style-type: none"> • I can use a word processor to produce sentences that communicate meaning, • I can find information from a CD-ROM package or online in house resources (Espresso),
4. Technology Communication	<ul style="list-style-type: none"> • to work with a range of information to investigate different ways it can be presented (e.g. the Sun presented as poem, picture or sound pattern) • to begin to review, modify & evaluate work as it progresses 	2B Dazzle 3 Kid Pix	<ul style="list-style-type: none"> • I can work with a variety of information to present it in different ways. (e.g. the Sun presented as poem, picture or sound pattern) • I can review my own work.
5. Technology Problem-Solving	<ul style="list-style-type: none"> • to use a simple simulation program (Albert's House) • to control a turtle around a given path 	2d PC Turtle	<ul style="list-style-type: none"> • I can use a simple simulation program (Albert's House) • I can control a turtle around a given track.

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NETS	IY 4 Student will learn:	Recommended Software & Units	Assessment
1. Basic Operations & Concepts	<ul style="list-style-type: none"> the home keys on a keyboard to combine graphics with text and resize graphics to begin to use the menus on the camera to save and retrieve work in different areas of the network, logon/logoff of doddse.net (e-mail site) 	TTL Dazzle Word	<ul style="list-style-type: none"> I can put my fingers on the home keys. I can use technology to enter, save and retrieve my work. I can log on and off the network.
2. Social & Ethical	<ul style="list-style-type: none"> the appropriate Netiquette for communicating by e-mail (e.g. capital letters is shouting) 	3a Word doddse.net i-Safe	<ul style="list-style-type: none"> I can discuss uses of technology inside and outside of school. I know the appropriate Netiquette for communicating via e-mail.
3. Technology Productivity & Research Tools	<ul style="list-style-type: none"> to combine graphics with text; choose effects that match their purposes so that the graphics & text complement each other 	3a Word PP	I can use technology to help generate, change and record work in different forms, including text, images, and sound.
4. Technology Communication	<ul style="list-style-type: none"> to use music software to develop & refine a musical composition to send, receive, & reply to e-mails; develop & refine messages to review, modify & evaluate work as it progresses 	3b Compose 2 3e Doddse.net	<ul style="list-style-type: none"> I can use technology to create music. I can use Doddse.net to communicate with someone else. I can review and modify my own work.
5. Technology Problem-Solving	<ul style="list-style-type: none"> to enter data into a database with predetermined structure and use it to answer straight forward questions & produce bar charts to recognize patterns within simulations, make & test predictions 	3c Information Workshop Lib. Online Cat 3d	<ul style="list-style-type: none"> I can use technology to organize and classify information. I can enter data into a database and interpret the information. I can use technology to explore what happens in real and imaginary situations.

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NETS	IY 5 Students will learn:	Recommended Software & Units	Assessment
1. Basic Operations & Concepts	<ul style="list-style-type: none"> • to keyboarding 15 wpm 75% accuracy, • the appropriate advanced features of word processing, cameras & graphics programs • to develop images using repeating patterns, (rotation of a simple shape) making shapes using Logo 	4e PC Turtle Dazzle TTL	<ul style="list-style-type: none"> • I can keyboard 15 wpm at 75% accuracy. • I can use technology to find and use appropriate stored information. • I can use technology to save this information. • I can use the menus on the digital camera. • I can develop images using repeating patterns.
2. Social & Ethical	<ul style="list-style-type: none"> • the beginning awareness of e-mail and Internet search, safety rules & determining accuracy of sites 	i-Safe doddse.net	<ul style="list-style-type: none"> • I can describe how I use technology and how it is used outside of school. • I know the rules for Internet safety.
3. Technology Productivity & Research Tools	<ul style="list-style-type: none"> • to use the appropriate advanced features of word processing & graphics programs to increase their efficiency when matching their work to their audience 	4a Word 4f PowerPoint	<ul style="list-style-type: none"> • I can use technology to produce information in various forms • I am able to apply this information at a later stage. • I use technology to organize and present my work.
4. Technology Communication	<ul style="list-style-type: none"> • to use a computer graphics package to develop an image using a variety of tools • to review and evaluate work as it progresses 	4b Dazzle 3 Scanner Picaso	<ul style="list-style-type: none"> • I share and exchange my ideas with others through e-mail, text and graphics • I can review and evaluate work.
5. Technology Problem-Solving	<ul style="list-style-type: none"> • to develop & search a branching database • to collect data in a way that aids entry into a data handling package and choose the appropriate form of graph to represent data 	4c Decisions 4d Counter Plus Ecolog	<ul style="list-style-type: none"> • I can develop and search a branching database. • I can collect data using Ecolog and enter it into Sensing Science. • I can enter this data in Counter Plus and interpret.

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NETS	IY 6 Students will learn:	Recommended Software & Units	Assessment
1. Basic Operations & Concepts	<ul style="list-style-type: none"> to keyboard at 20 wpm with 80% accuracy. to use an object-based graphics package to create, & manipulate graphical objects to carry out searches using two or more criteria. to use a spreadsheet to produce a table of data 	TTL 5a PowerPoint Aspect Draw Spex + Google Yahoo 5c Excel Information Workshop 2Create	<ul style="list-style-type: none"> I can keyboard at 20 wpm with 80% accuracy. I can use technology to collect and find appropriate stored information. I understand the need for care in framing questions when using a cd rom, a database or the Internet. I can create and use a spreadsheet to model a budget.
2. Social & Ethical	<ul style="list-style-type: none"> to show continue awareness of Internet search safety rules & beginning to determine accuracy of sites to show beginning awareness of communication safety via Internet & e-mail 	Internet Explorer Yahoo!igans Ask Jeeves for Kids Espresso	I can explain the need for Internet safety rules especially when communicating by e-mail.
3. Technology Productivity & Research Tools	<ul style="list-style-type: none"> to recognize the importance of checking data & that poor quality information leads to unreliable results to design & create a display which produces a combination of events 	5b Information Workshop 5e PowerPoint Excel 5e PowerPoint	<ul style="list-style-type: none"> I can use technology to present different formats of information such as tables, charts, number, text and images. I use a computer to create an enhanced PowerPoint Presentation.
4. Technology Communication	<ul style="list-style-type: none"> to create a series of slides that contain information from a variety of sources and apply presentation effects to communicate their ideas to review, modify & evaluate work as it progresses 	5e PowerPoint Hyperstudio 2Create	<ul style="list-style-type: none"> I show an awareness of the intended audience. I can exchange information and ideas with others in a variety of ways, including the use of e-mail. I can review, modify and evaluate work.
5. Technology Problem-Solving	<ul style="list-style-type: none"> to write simple procedures & be able to link output devices together to amend their procedures to get a desired outcome 	5d Flowol 2	<ul style="list-style-type: none"> I can create a set of instructions, which I have planned for a particular task.

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NETS	M 1 Students will learn:	Recommended Software & Units	Assessment
1. Basic Operations & Concepts	<ul style="list-style-type: none"> to keyboard 25 wpm 85% accuracy to use a multimedia authoring package to assemble images, sound, & text on a multimedia page (PowerPoint) to use a spread sheet to calculate totals 	6a PowerPoint 6 b Excel Scanner Dazzle TTL	<ul style="list-style-type: none"> I can keyboard at 25wpm with 85% accuracy. I can select specifically the information that is needed for a particular purpose when using a multimedia-authoring package. I can use a spreadsheet to enter data, format cells and enter formulas.
2. Social & Ethical	<ul style="list-style-type: none"> to show awareness of Internet search safety rules & determining accuracy & reliability of sites to expand awareness of communication safety via Internet & e-mail to show beginning awareness of Intellectual Property & Copyright issues (plagiarism) 	i-Safe doddse.net Ask an Expert Disney Internet Safety site	<ul style="list-style-type: none"> I can determine the accuracy and reliability of web sites. I am becoming aware of Intellectual Property and Copyright issues.
3. Technology Productivity & Research Tools	<ul style="list-style-type: none"> to search the internet taking care which keywords they use when framing questions to understand when the information is valid & reliable, & present it for a chosen audience 	Internet Explorer Yahooligans Ask Jeeves for Kids Google Espresso	<ul style="list-style-type: none"> I can search the Internet with "keywords" question I can check that information is accurate and organize this information so that it is ready for processing.
4. Technology Communication	<ul style="list-style-type: none"> to create, organize, refine and present a set of linked multimedia pages, which incorporate text, images, sound & animation to review, modify & evaluate work as it progresses 	6a PowerPoint 6d Hyperstudio	<ul style="list-style-type: none"> I can use technology to structure, refine and present different forms of information. I can use different styles for specific purposes and audiences. I can review, modify and evaluate work as it progresses.
5. Technology Problem-Solving	<ul style="list-style-type: none"> to produce simple procedures to turn on lights & sounds to explore the effects of changing data in a spreadsheet; make predictions and use a spreadsheet to test them 	6c Flowol 6b Excel	<ul style="list-style-type: none"> I know that the order and accuracy are important when creating instructions. I can change values in a technology model (spreadsheet) to see if my idea will work.

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NETS	M 2 Students will learn	Recommended Software & Units	Assessment
1. Basic Operations & Concepts	<ul style="list-style-type: none"> to keyboard at 30 wpm with 90% accuracy to use a multimedia authoring package to assemble images, sound, video & text on a multimedia page (PowerPoint) to use technology tools: web tools 	TTL PP Hyperstudio	<ul style="list-style-type: none"> I can keyboard at 30 wpm with 90% accuracy. I can use a multimedia-authoring package.
2. Social & Ethical	<ul style="list-style-type: none"> to apply Internet search safety rules & determine accuracy & reliability of sites. to apply communication safety using Internet & e-mail to respect Intellectual Property & Copy Right issues (plagiarism) 	i-Safe Ask a scientist Doddse.net	<ul style="list-style-type: none"> I can apply Internet search safety rules when using the Internet. I respect other's Intellectual Property and Copy Right Laws.
3. Technology Productivity & Research Tools	<ul style="list-style-type: none"> to search the internet using advanced features of a search engine to validate resources & check for bias in presenting to a specific audience 	Internet Explorer Yahooligans Ask Jeeves for Kids Google	<ul style="list-style-type: none"> I can search the internet using a range of advanced search features of a search engine.
4. Technology Communication	<ul style="list-style-type: none"> to use a multimedia package to organize, & refine a set of hyperlinked multimedia pages, (images, sounds, video & text), & present information that matches the needs of the audience to review, modify, & evaluate work as it progresses 	6a PowerPoint Hyperstudio	<ul style="list-style-type: none"> I can use a multimedia package to organize, and refine a set of hyperlinked multimedia pages, (images, sounds, video and text). I can present information that matches the needs of the audience. I can review, modify and evaluate work as it progresses.
5. Technology Problem-Solving	<ul style="list-style-type: none"> to use a spreadsheet to produce charts and evaluate their usefulness in presenting the data accurately to create a series of procedures, recognizing patterns in programming 	Excel Flowol	<ul style="list-style-type: none"> I can create a spreadsheet, produce charts, and evaluate their usefulness in presenting data accurately. I can create a series of procedures and recognise patterns in programming.