

# NORTH CAROLINA ESSENTIAL STANDARDS

## Information and Technology

Grade: Kindergarten

### Course: Informational Text

**NCES.K.IN.1** - Understand the difference between text read for enjoyment and text read for information.

**NCES.K.IN.1.1** - Understand the meaning of fiction and nonfiction.

**NCES.K.IN.1.2** - Identify resources with appropriate factual information.

### Course: Research Process

**NCES.K.RP.1** - Understand the importance of good questions in conducting research.

**NCES.K.RP.1.1** - Identify questions that are relevant for a given topic or purpose.

### Course: Safety and Ethical Issues

**NCES.K.SE.1** - Remember safety and ethical issues related to the responsible use of information and technology resources.

**NCES.K.SE.1.1** - Identify examples of responsible use and care of technology hardware and software.

**NCES.K.SE.1.2** - Remember internet safety rules.

**NCES.K.SE.1.3** - Recognize the importance of respect for the work of others.

### Course: Sources of Information

**NCES.K.SI.1** - Classify useful sources of information.

**NCES.K.SI.1.1** - Identify sources of information (e.g., print, non-print, electronic, people).

**NCES.K.SI.1.2** - Identify the relevant sources of information for a given task.

### Course: Technology as a Tool

**NCES.K.TT.1** - Use technology tools and skills to reinforce classroom concepts and activities.

**NCES.K.TT.1.1** - Use a variety of technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).

**NCES.K.TT.1.2** - Use a variety of technology tools to organize data and information (e.g., word processor, graphic organizer, audio and visual recording, online collaboration tools, etc.).

**NCES.K.TT.1.3** - Use technology tools to present data and information (multimedia, audio and visual recording, online collaboration tools, etc.).

Grade: Grade 1

### Course: Informational Text

**NCES.1.IN.1** - Understand the difference between text read for enjoyment and text read for information.

**NCES.1.IN.1.1** - Classify text as nonfiction or fiction.

**NCES.1.IN.1.2** - Compare important facts and minor details.

### Course: Research Process

**NCES.1.RP.1** - Remember the steps of a simple (or simplified) research process.

**NCES.1.RP.1.1** - Recognize the steps of a simple (or simplified) research process.



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### Course: Safety and Ethical Issues

**NCES.1.SE.1** - Understand safety and ethical issues related to the responsible use of information and technology resources.

**NCES.1.SE.1.1** - Use technology hardware and software responsibly.

**NCES.1.SE.1.2** - Explain why safety is important when using the Internet.

**NCES.1.SE.1.3** - Recognize the need to obtain permission or give credit when using intellectual property of others.

### Course: Sources of Information

**NCES.1.SI.1** - Recall useful sources of information.

**NCES.1.SI.1.1** - Identify various resources for information (e. g., print, audio-visual, electronic, people).

**NCES.1.SI.1.2** - Classify resources as relevant for a given purpose and/or topic.

### Course: Technology as a Tool

**NCES.1.TT.1** - Use technology tools and skills to reinforce classroom concepts and activities.

**NCES.1.TT.1.1** - Use a variety of technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).

**NCES.1.TT.1.2** - Use a variety of technology tools to organize data and information (e.g., word processor, graphic organizer, audio and visual recording, online collaboration tools, etc.).

**NCES.1.TT.1.3** - Use technology tools to present data and information (multimedia, audio and visual recording, online collaboration tools, etc.).

### Grade: **Grade 2**

### Course: Informational Text

**NCES.2.IN.1** - Understand appropriate procedures when reading for enjoyment and information.

**NCES.2.IN.1.1** - Categorize books by their genre characteristics.

**NCES.2.IN.1.2** - Summarize appropriate reading strategies when reading for information.

### Course: Research Process

**NCES.2.RP.1** - Apply the research process by participating in whole-class research.

**NCES.2.RP.1.1** - Execute the steps of a simple research process (three to four steps).

### Course: Safety and Ethical Issues

**NCES.2.SE.1** - Understand issues related to the safe, ethical, and responsible use of information and technology resources.

**NCES.2.SE.1.1** - Use technology hardware and software responsibly.

**NCES.2.SE.1.2** - Explain why safe use of electronic resources is important.

**NCES.2.SE.1.3** - Use simple citation rules for print and electronic resources.

### Course: Sources of Information

**NCES.2.SI.1** - Categorize sources of information as appropriate or inappropriate.

**NCES.2.SI.1.1** - Classify sources of information as relevant for particular topics or purposes.

**NCES.2.SI.1.2** - Classify resources as current or not current.



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### Course: Technology as a Tool

**NCES.2.TT.1** - Use technology tools and skills to reinforce classroom concepts and activities.

**NCES.2.TT.1.1** - Use a variety of technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).

**NCES.2.TT.1.2** - Use a variety of technology tools to organize data and information (e.g., word processor, graphic organizer, audio and visual recording, online collaboration tools, etc.).

**NCES.2.TT.1.3** - Use technology tools to present data and information (multimedia, audio and visual recording, online collaboration tools, etc.).

### Grade: Grade 3

### Course: Informational Text

**NCES.3.IN.1** - Apply strategies that are appropriate when reading for enjoyment and for information.

**NCES.3.IN.1.1** - Use visual and literacy cues to locate relevant information in a given text (e.g., bold print, italics, bullets, etc.).

**NCES.3.IN.1.2** - Compare the characteristics of genres to develop diverse reading habits.

### Course: Research Process

**NCES.3.RP.1** - Apply a research process as part of collaborative research.

**NCES.3.RP.1.1** - Implement a research process by collaborating effectively with other students.

### Course: Safety and Ethical Issues

**NCES.3.SE.1** - Understand issues related to the safe, ethical, and responsible use of information and technology resources.

**NCES.3.SE.1.1** - Understand the guidelines for responsible use of technology hardware.

**NCES.3.SE.1.2** - Understand ethical behavior (copyright, not plagiarizing, netiquette) when using resources.

**NCES.3.SE.1.3** - Understand internet safety precautions (personal information, passwords, etc.).

### Course: Sources of Information

**NCES.3.SI.1** - Categorize sources of information for specific purposes.

**NCES.3.SI.1.1** - Classify various types of resources as appropriate or inappropriate for purposes.

**NCES.3.SI.1.2** - Classify resources as reliable or not reliable.

### Course: Technology as a Tool

**NCES.3.TT.1** - Use technology tools and skills to reinforce classroom concepts and activities.

**NCES.3.TT.1.1** - Use a variety of technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).

**NCES.3.TT.1.2** - Use a variety of technology tools to organize data and information (e.g., word processor, graphic organizer, audio and visual recording, online collaboration tools, etc.).

**NCES.3.TT.1.3** - Use technology tools to present data and information (multimedia, audio and visual recording, online collaboration tools, etc.).



# NORTH CAROLINA ESSENTIAL STANDARDS

## Information and Technology

Grade: **Grade 4**

### Course: Informational Text

**NCES.4.IN.1** - Apply appropriate strategies when reading for enjoyment and for information.

**NCES.4.IN.1.1** - Implement appropriate reading strategies when reading for information.

**NCES.4.IN.1.2** - Explain the importance of relevant characteristics in various genres.

### Course: Research Process

**NCES.4.RP.1** - Apply a research process as part of collaborative research.

**NCES.4.RP.1.1** - Implement a research process by collaborating effectively with other students.

### Course: Safety and Ethical Issues

**NCES.4.SE.1** - Understand issues related to the safe, ethical, and responsible use of information and technology resources.

**NCES.4.SE.1.1** - Understand the guidelines for responsible use of technology hardware.

**NCES.4.SE.1.2** - Understand ethical behavior (copyright, not plagiarizing, netiquette) when using resources.

**NCES.4.SE.1.3** - Understand internet safety precautions (personal information, passwords, etc.).

### Course: Sources of Information

**NCES.4.SI.1** - Apply criteria to determine appropriate information resources for specific topics and purposes.

**NCES.4.SI.1.1** - Use various types of resources to gather information (including print and online media).

**NCES.4.SI.1.2** - Use relevant sources of information for an assigned task.

**NCES.4.SI.1.3** - Use reliable sources of information.

### Course: Technology as a Tool

**NCES.4.TT.1** - Use technology tools and skills to reinforce classroom concepts and activities.

**NCES.4.TT.1.1** - Use a variety of technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).

**NCES.4.TT.1.2** - Use a variety of technology tools to organize data and information (e.g., word processor, graphic organizer, audio and visual recording, online collaboration tools, etc.).

**NCES.4.TT.1.3** - Use technology tools to present data and information (multimedia, audio and visual recording, online collaboration tools, etc.).

Grade: **Grade 5**

### Course: Informational Text

**NCES.5.IN.1** - Analyze appropriate strategies when reading for enjoyment and for information.

**NCES.5.IN.1.1** - Differentiate strategies when reading informational text in a variety of formats (e.g., print, online, audio, etc.) to complete assigned tasks.

**NCES.5.IN.1.2** - Differentiate strategies when reading various genres.

### Course: Research Process

**NCES.5.RP.1** - Apply a research process as part of collaborative research.

**NCES.5.RP.1.1** - Implement a research process by collaborating effectively with other students.



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## Information and Technology

### Course: Safety and Ethical Issues

**NCES.5.SE.1** - Understand issues related to the safe, ethical, and responsible use of information and technology resources.

**NCES.5.SE.1.1** - Understand the guidelines for responsible use of technology hardware.

**NCES.5.SE.1.2** - Understand ethical behavior (e.g., copyright, not plagiarizing, netiquette) when using resources.

**NCES.5.SE.1.3** - Understand internet safety precautions (e.g., personal information, passwords, etc.).

### Course: Sources of Information

**NCES.5.SI.1** - Apply criteria to determine appropriate information resources for specific topics and purposes.

**NCES.5.SI.1.1** - Use various types of resources to gather information (including print and online media).

**NCES.5.SI.1.2** - Use relevant sources of information for an assigned task.

**NCES.5.SI.1.3** - Use reliable sources of information.

### Course: Technology as a Tool

**NCES.5.TT.1** - Use technology tools and skills to reinforce and extend classroom concepts and activities.

**NCES.5.TT.1.1** - Use a variety of technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).

**NCES.5.TT.1.2** - Use a variety of technology tools to organize data and information (e.g., word processor, graphic organizer, audio and visual recording, online collaboration tools, etc.).

**NCES.5.TT.1.3** - Use technology tools to present data and information (e.g., multimedia, audio and visual recording, online collaboration tools, etc.).

### Grade: **Grade 6**

### Course: Research Process

**NCES.6.RP.1** - Apply a research process for collaborative or individual research.

**NCES.6.RP.1.1** - Implement a research process collaboratively.

**NCES.6.RP.1.2** - Implement a research process independently.

### Course: Safety and Ethical Issues

**NCES.6.SE.1** - Apply responsible behaviors when using information and technology resources.

**NCES.6.SE.1.1** - Apply ethical behavior (copyright, not plagiarizing, proper netiquette) when using resources.

**NCES.6.SE.1.2** - Apply the safety precautions necessary when using online resources (personal information, passwords, etc.).

### Course: Sources of Information

**NCES.6.SI.1** - Analyze resources to determine their reliability, point of view, bias, and relevance for particular topics and purposes.

**NCES.6.SI.1.1** - Analyze resources in terms of their reliability (which can be determined by currency, credibility, or authority, depending on the topic or purpose).

**NCES.6.SI.1.2** - Analyze content for relevance to the assigned task.

**NCES.6.SI.1.3** - Analyze resources for point of view, bias, values, or intent of information.



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### Course: Technology as a Tool

**NCES.6.TT.1** - Use technology and other resources for the purpose of accessing, organizing, and sharing information.

**NCES.6.TT.1.1** - Select appropriate technology tools to gather data and information (e.g., Web-based resources, e-books, online communication tools, etc.).

**NCES.6.TT.1.2** - Select appropriate technology tools to organize data and information (e.g., word processor, database, spreadsheet, graphic organizer, audio and visual recording, online collaboration tools, etc.).

**NCES.6.TT.1.3** - Select appropriate technology tools to present data and information effectively (multimedia, audio and visual recording, online collaboration tools, etc.).

### Grade: Grade 7

#### Course: Research Process

**NCES.7.RP.1** - Apply a research process to complete given tasks.

**NCES.7.RP.1.1** - Implement a collaborative research process activity that is group selected.

**NCES.7.RP.1.2** - Implement an independent research process activity that is student selected.

#### Course: Safety and Ethical Issues

**NCES.7.SE.1** - Apply responsible behaviors when using information and technology resources.

**NCES.7.SE.1.1** - Apply ethical behavior (copyright, not plagiarizing, proper netiquette) when using resources.

**NCES.7.SE.1.2** - Apply the safety precautions necessary when using online resources (personal information, passwords, etc.).

#### Course: Sources of Information

**NCES.7.SI.1** - Evaluate information resources based on specified criteria.

**NCES.7.SI.1.1** - Evaluate resources for reliability. (Reliability can be determined by currency, credibility, authority, etc. depending on the curriculum topic).

**NCES.7.SI.1.2** - Evaluate content for relevance to the assigned task.

**NCES.7.SI.1.3** - Evaluate resources for point of view, bias, values, or intent of information.

#### Course: Technology as a Tool

**NCES.7.TT.1** - Use technology and other resources for assigned tasks.

**NCES.7.TT.1.1** - Use appropriate technology tools and other resources to access information.

**NCES.7.TT.1.2** - Use appropriate technology tools and other resources to organize information (e.g. graphic organizers, databases, spreadsheets, and desktop publishing).

**NCES.7.TT.1.3** - Use appropriate technology tools and other resources to design products to share information with others (e.g. multimedia presentations, Web 2.0 tools, graphics, podcasts, and audio files).

### Grade: Grade 8

#### Course: Research Process

**NCES.8.RP.1** - Apply a research process to complete project-based activities.

**NCES.8.RP.1.1** - Implement a project-based activity collaboratively.



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## Information and Technology

**NCES.8.RP.1.2** - Implement a project-based activity independently.

### Course: Safety and Ethical Issues

**NCES.8.SE.1** - Analyze responsible behaviors when using information and technology resources.

**NCES.8.SE.1.1** - Analyze ethical behavior (copyright, not plagiarizing, netiquette) when using resources.

**NCES.8.SE.1.2** - Analyze safety precautions when using online resources (personal information, passwords, etc.).

### Course: Sources of Information

**NCES.8.SI.1** - Evaluate information resources based on specified criteria.

**NCES.8.SI.1.1** - Evaluate resources for reliability. (Reliability can be determined by currency, credibility, authority, etc. depending on the curriculum topic).

**NCES.8.SI.1.2** - Evaluate content for relevance to the assigned task.

**NCES.8.SI.1.3** - Evaluate resources for point of view, bias, values, or intent of information.

### Course: Technology as a Tool

**NCES.8.TT.1** - Use technology and other resources for assigned tasks.

**NCES.8.TT.1.1** - Use appropriate technology tools and other resources to access information (search engines, electronic databases, digital magazine articles).

**NCES.8.TT.1.2** - Use appropriate technology tools and other resources to organize information (e.g. graphic organizers, databases, spreadsheets, and desktop publishing).

**NCES.8.TT.1.3** - Use appropriate technology tools and other resources to design products to share information with others (e.g. multimedia presentations, Web 2.0 tools, graphics, podcasts, and audio files).

Grade: **High School**

### Course: Research Process

**NCES.HS.RP.1** - Design project-based products that address global problems.

**NCES.HS.RP.1.1** - Design global-awareness project-based products individually and collaboratively.

### Course: Safety and Ethical Issues

**NCES.HS.SE.1** - Analyze issues and practices of responsible behavior when using resources.

**NCES.HS.SE.1.1** - Analyze ethical issues and practices related to copyright, not plagiarizing, and netiquette.

**NCES.HS.SE.1.2** - Analyze safety issues and practices when using online resources (legal and criminal consequences, long-term career consequences of behavior).

### Course: Sources of Information

**NCES.HS.SI.1** - Evaluate resources needed to solve a given problem.

**NCES.HS.SI.1.1** - Evaluate resources for reliability. (Reliability can be determined by currency, credibility, authority, etc. depending on the curriculum topic).

**NCES.HS.SI.1.2** - Evaluate resources for point of view, bias, values, or intent of information.

**NCES.HS.SI.1.3** - Evaluate content for relevance to the assigned task.



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## **Information and Technology**

### **Course: Technology as a Tool**

**NCES.HS.TT.1** - Use technology and other resources for assigned tasks.

**NCES.HS.TT.1.1** - Use appropriate technology tools and other resources to access information (multi-database search engines, online primary resources, virtual interviews with content experts).

**NCES.HS.TT.1.2** - Use appropriate technology tools and other resources to organize information (e.g. online note-taking tools, collaborative wikis).

**NCES.HS.TT.1.3** - Use appropriate technology tools and other resources to design products to share information with others (e.g. multimedia presentations, Web 2.0 tools, graphics, podcasts, and audio files).

