

LCB File No. R013-03

**PROPOSED REGULATION OF THE STATE BOARD OF EDUCATION/
STATE BOARD FOR OCCUPATIONAL EDUCATION**

(This proposed regulation was previously adopted as LCB File No. T032-03)

Explanation: Matter in italics is new; matter in brackets ~~[-]~~ is material to be omitted.

Statutory Authority: NRS 385.080, 389.520

**INFORMATION AND LITERACY STANDARDS
KINDERGARTEN AND ELEMENTARY SCHOOL**

Section 1. Chapter 389 of NAC is hereby amended by adding thereto the provisions set forth as sections 2 to 6 inclusive, of this regulation to read as follows:

Section 2. NAC 389.2433 Information literacy is hereby amended to read as follows:

NAC 389.2433 Information literacy. By the end of the second grade, pupils must know and be able to do everything required in the previous grades to be *information* literate ~~[in the process of obtaining information in such a manner as to access information efficiently, evaluate information critically and competently and use information accurately and creatively.]~~ Instruction in the second grade, regardless of whether it takes place in the library or the classroom, must be designed so that pupils meet the following standards for information literacy by the completion of the second grade:

1. For the areas of understanding the process of obtaining information in such a manner as to access information efficiently and effectively, evaluate information critically and competently and use information accurately and creatively, a pupil must demonstrate the ability to:

(a) Recognize the need for information by giving examples of situations in which additional information (beyond one's own knowledge) is needed to resolve an information problem or question.

(b) Recognize that accurate and comprehensive information is the basis for intelligent decision-making by selecting examples of accurate and inaccurate information and of complete and incomplete information.

(c) Formulate questions based on information needs by stating at least one broad question that will help in finding needed information.

(d) Identify a variety of potential sources of information by listing several sources of information and explaining the kind of information found in each.

(e) Develop and use successful strategies for locating information by listing some ideas for identifying and finding needed information.

(f) Distinguish among fact, point of view, and opinion by recognizing fact, opinion, and point of view in various information sources and products.

(g) Select information appropriate to the problem or question at hand by recognizing information that is applicable to a specific information problem or question.

(h) Organize information for practical application by describing several ways to organize information – for example, chronologically, topically, and hierarchically.

(i) Integrate new information into one’s own knowledge by recognizing and understanding new information and ideas.

(j) Apply information in critical thinking and problem solving by identifying information that meets a particular information need.

(k) Produce and communicate information and ideas in appropriate formats by naming a variety of different formats for presenting different kinds of information.

2. For the areas of pursuing information related to personal interests, appreciating literature and other creative expressions of information, and striving for excellence in information seeking and knowledge generation, a pupil must demonstrate the ability to:

~~[1-]~~ *(a) Seek information relating to various dimensions of personal well-being, such as vocational interests, involvement in community, matters concerning health and recreational pursuits by:*

~~[1-]~~ *(1) Occasionally seeking information about topics of personal interest or aspects of well-being; and*

~~[1-]~~ *(2) Generally expanding beyond the pupil’s own knowledge to seek information concerning topics of personal interest or aspects of well-being.*

~~[2-]~~ *(b) Design, develop and evaluate information and conclusions based upon that information relating to topics of personal interest to the pupil by organizing and presenting basic information gathered by the pupil relating to those topics of personal interest.*

~~[3-]~~ *(c) Demonstrate that the pupil is a competent and self-motivated reader by explaining and discussing various examples of fiction.*

~~[4-]~~ *(d) Derive meaning from information presented creatively in a variety of formats by explaining and discussing films, plays and other creative presentations of information.*

~~[5-]~~ *(e) Develop creative methods of conveying information in a variety of formats by expressing information and ideas creatively in simple formats.*

~~[6-]~~ *(f) Assess the quality of the process and outcome of the pupil’s efforts to obtain information by retracing the steps the pupil took to find information and explaining which were most useful for resolving a problem or question concerning the information.*

3. For the areas of recognizing the importance of information to a democratic society, practicing ethical behavior in regard to information and information technology, and participating effectively in groups to pursue and generate information, a pupil must demonstrate the ability to:

(a) Seek information from diverse sources, contexts, disciplines, and cultures by identifying several appropriate sources for resolving an information problem or question.

(b) Respect the principle of equitable access and information by explaining why it’s important for all classmates to have access to information, to information sources, and information technology.

(c) Respect the principles of intellectual freedom by defining or giving examples of “intellectual freedom.”

(d) Respect intellectual property rights by giving examples of what it means to respect intellectual property rights.

(e) Use information technology responsibly by stating the main points of school policy regarding the use of computing and communications hardware, software, and networks.

(f) Share knowledge and information with others by contributing to group efforts by seeking and communicating specific facts, opinions, and points of view related to information problems or questions.

(g) Respect others' ideas and backgrounds and acknowledge their contributions by describing others' ideas accurately and completely.

(h) Collaborate with others, both in person and through technologies, to identify information problems and to seek their solution by:

(1) Expressing one's own ideas appropriately and effectively, in person and remotely through technologies, while working in groups to identify and resolve information problems;

(2) Participating actively in discussions with others, in person and remotely through technologies, to analyze information problems and suggest solutions; and

(3) Participating actively in discussions with others, in person and remotely through technologies, to devise solutions to information problems that integrate group members' information and ideas.

Section 3. NAC 389.248 Information literacy. By the end of the third grade, pupils must know and be able to do everything required in the previous grades to be *information* literate ~~[in the process of obtaining information in such a manner as to access information efficiently, evaluate information critically and competently and use information accurately and creatively.]~~ Instruction in the third grade, regardless of whether it takes place in the library or the classroom, must be designed so that pupils meet the following standards for information literacy by the completion of the third grade:

1. For the areas of understanding the process of obtaining information in such a manner as to access information efficiently and effectively, evaluate information critically and competently and use information accurately and creatively, a pupil must demonstrate the ability to:

(a) Recognize the need for information by:

(1) Giving examples of situations in which additional information (beyond one's own knowledge) is needed to resolve an information problem or question;

(2) Determining whether additional information (beyond one's own knowledge) is needed to resolve it when faced with an information problem or question; and

(3) By selecting examples of accurate and inaccurate information and of complete and incomplete information.

(b) Recognize that accurate and comprehensive information is the basis for intelligent decision-making by explaining the differences between accurate and inaccurate.

(c) Formulate questions based on information needs by:

(1) Stating at least one broad question that will help in finding needed information; and

(2) Stating both broad and specific questions that will help in finding needed information.

(d) Identify a variety of potential sources of information by listing several sources of information and explaining the kind of information found in each.

(e) Develop and use successful strategies for locating information by listing some ideas for identifying and finding needed information.

(f) Determine accuracy, relevance, and comprehensiveness by defining and giving examples of the terms “accuracy,” “relevancy,” and “comprehensiveness.”

(g) Distinguish among fact, point of view, and opinion by:

(1) Recognizing fact, point of view, and opinion in various information sources and products; and

(2) Explaining how they are different from one another.

(h) Identify inaccurate and misleading information by explaining why such information can lead to faulty conclusions.

(i) Select information that is appropriate to the problem or question at hand by recognizing information that is applicable to a specific information problem or question.

(j) Organize information for practical application by:

(1) Describing several ways to organize information – for example, chronologically, topically, and hierarchically; and

(2) Organizing it in different ways according to the information problem or question at hand.

(k) Integrate new information into one’s own knowledge by:

(1) Recognizing and understanding new information and ideas; and

(2) Combining what is already known about a topic with new information is able to draw conclusions.

(l) Apply information in critical thinking and problem solving by:

(1) Identifying information that meets a particular information need; and

(2) Using information from a variety of sources to resolve an information problem or question.

(m) Produce and communicate information and ideas in appropriate formats by:

(1) Naming a variety of different formats for presenting different kinds of information; and

(2) Choosing an appropriate format for presenting information based on the information itself, the audience, and the nature of the information problem or question from a variety of sources to determine its applicability to a specific information problem or question.

2. For the areas of pursuing information related to personal interests, appreciating literature and other creative expressions of information, and striving for excellence in information seeking and knowledge generation, a pupil must demonstrate the ability to:

~~[1-]~~ *(a) Seek information relating to various dimensions of personal well-being, such as vocational interests, involvement in community, matters concerning health and recreational pursuits by:*

~~[a-]~~ *(1) Occasionally seeking information about topics of personal interest or aspects of well-being; and*

~~[b-]~~ *(2) Generally expanding beyond the pupil’s own knowledge to seek information concerning topics of personal interest or aspects of well-being.*

~~[2-]~~ *(b) Design, develop and evaluate information and conclusions based upon that information relating to topics of personal interest to the pupil by:*

~~[a-]~~ *(1) Organizing and presenting basic information gathered by the pupil relating to those topics of personal interest; and*

~~[b-]~~ *(2) Creating solutions and methods of conveying information concerning those topics of personal interest.*

~~[3-]~~ *(c) Demonstrate that the pupil is a competent and self-motivated reader by:*

- ~~[(a)]~~ (1) Explaining and discussing various examples of fiction; and
- ~~[(b)]~~ (2) Choosing fiction and other types of literature to read and analyze.
- ~~[(4)]~~ (d) Derive meaning from information presented creatively in a variety of formats by explaining and discussing films, plays and other creative presentations of information.
- ~~[(5)]~~ (e) Develop creative methods of conveying information in a variety of formats by:
 - ~~[(a)]~~ (1) Expressing information and ideas creatively in simple formats; and
 - ~~[(b)]~~ (2) Expressing information and ideas creatively in ways that combine several formats.
- ~~[(6)]~~ (f) Assess the quality of the process and outcome of the pupil's efforts to obtain information by:
 - ~~[(a)]~~ (1) Retracing the steps the pupil took to obtain information and explaining which were most useful for resolving a problem or question concerning the information; and
 - ~~[(b)]~~ (2) Assessing each step the pupil took to obtain information with respect to a specific problem concerning the information and assessing the result.
- ~~[(7)]~~ (g) Devise basic strategies for revising, improving and updating self-generated knowledge by explaining those basic strategies.

3. For the areas of recognizing the importance of information to a democratic society, practicing ethical behavior in regard to information and information technology, and participating effectively in groups to pursue and generate information, a pupil must demonstrate the ability to:

- (a) Seek information from diverse sources, contexts, disciplines, and cultures by identifying several appropriate sources for resolving an information problem or question.*
- (b) Respect the principle of equitable access and information by:*
 - (1) Explaining why it's important for all classmates to have access to information, to information sources, and information technology; and*
 - (2) Using information, information sources, and information technology efficiently so that they are available for others to use.*
- (c) Respect the principles of intellectual freedom by:*
 - (1) Defining or giving examples of "intellectual freedom"; and*
 - (2) Analyzing a situation (e.g. personal opinion of a book or video in the library media center) in terms of its relationship to intellectual freedom.*
- (d) Respect intellectual property rights by:*
 - (1) Giving examples of what it means to respect intellectual property rights; and*
 - (2) Analyzing situations (e.g., the creation of a term paper or the development of a multi media product) to determine the steps necessary to respect intellectual property rights.*
- (e) Use information technology responsibly by stating the main points of the school policy regarding the use of computing and communications hardware, software, and networks.*
- (f) Share knowledge and information with others by:*
 - (1) Contributing to group efforts by seeking and communicating specific facts, opinions, and points of view related to information problems or questions; and*
 - (2) Using information sources, selects information and ideas that will contribute directly to the success of group projects.*
- (g) Respect others' ideas and backgrounds and acknowledge their contributions by:*
 - (1) Describing others' ideas accurately and completely; and*
 - (2) Encouraging consideration of ideas and information from all group members.*
- (h) Collaborate with others, both in person and through technologies, to identify information problems and to seek their solution by:*

- (1) *Expressing one’s own ideas appropriately and effectively, in person and remotely through technologies, while working in groups to identify and resolve information problems;*
- (2) *Participating actively in discussions with others, in person and remotely through technologies, to analyze information problems and suggest solutions; and*
- (3) *Participating actively in discussions with others, in person and remotely through technologies, to devise solutions to information problems that integrate group members’ information and ideas.*

Section 4. NAC 389.2932 Information literacy. By the end of the fourth grade, pupils must know and be able to do everything required in the previous grades to be *information* literate ~~[in the process of obtaining information in such a manner as to access information efficiently, evaluate information critically and competently and use information accurately and creatively.]~~ Instruction in the fourth grade, regardless of whether it takes place in the library or the classroom, must be designed so that pupils meet the following standards for information literacy by the completion of the fourth grade:

1. For the areas of understanding the process of obtaining information in such a manner as to access information efficiently and effectively, evaluate information critically and competently and use information accurately and creatively, a pupil must demonstrate the ability to:

(a) Recognize the need for information by:

(1) Giving examples of situations in which additional information (beyond one’s own knowledge) is needed to resolve an information problem or question; and

(2) Determining whether additional information (beyond one’s own knowledge) is needed to resolve an information problem or question.

(b) Recognize that accurate and comprehensive information is the basis for intelligent decision-making by:

(1) Selecting examples of accurate and inaccurate information and of complete and incomplete information; and

(2) Explaining the differences between accurate and inaccurate information and between complete and incomplete information.

(c) Formulate questions based on information needs by:

(1) Stating at least one broad question that will help in finding needed information; and

(2) Stating both broad and specific questions that will help in finding needed information.

(d) Identify a variety of potential sources of information by listing several sources of information and by explaining the kind of information found in each.

(e) Identify a variety of potential sources of information by brainstorming a range of sources of information that will meet an information need.

(f) Develop and use successful strategies for locating information by:

(1) Listing some ideas for identifying and finding needed information; and

(2) Explaining and applying a plan to access needed information.

(g) Determine accuracy, relevance, and comprehensiveness by:

(1) Defining and giving examples of the terms “accuracy,” “relevance,” and “comprehensiveness”; and

(2) Comparing and contrasting sources related to a topic.

(h) Distinguish among fact, point of view, and opinion by:

- (1) Recognizing them in various information sources and products; and*
 - (2) Explaining how each is different from one another.*
 - (i) Identify inaccurate and misleading information by:*
 - (1) Recognizing it in information sources and products; and*
 - (2) Explaining why such information can lead to faulty conclusions.*
 - (j) Select information appropriate to the problem or question at hand by:*
 - (1) Recognizing information that is applicable to a specific information problem or question; and*
 - (2) Analyzing information from a variety of sources to determine its applicability to a specific information problem or question.*
 - (k) Organize information for practical application by:*
 - (1) Describing several ways to organize information – for example, chronologically, topically, and hierarchically; and*
 - (2) Organizing it in different ways according to the information problem or question at hand.*
 - (l) Integrate new information into one’s own knowledge by:*
 - (1) Recognizing and understanding new information and ideas; and*
 - (2) Drawing conclusions by combining what is already known about a topic with new information.*
 - (m) Apply information in critical thinking and problem solving by:*
 - (1) Identifying information that meets a particular information need; and*
 - (2) Using information from a variety of sources to resolve an information problem or question.*
 - (n) Produce and communicate information and ideas in appropriate formats by:*
 - (1) Naming a variety of different formats for presenting different kinds of information; and*
 - (2) Choosing an appropriate format for presenting information based on the information itself, the audience, and the nature of the information problem or question.*
- 2. For the areas of pursuing information related to personal interests, appreciating literature and other creative expressions of information, and striving for excellence in information seeking and knowledge generation, a pupil must demonstrate the ability to:*
- ~~[(a)]~~ *(a) Seek information relating to various dimensions of personal well-being, such as vocational interests, involvement in community, matters concerning health and recreational pursuits by:*
 - ~~[(a)]~~ *(1) Occasionally seeking information about topics of personal interest or aspects of well-being;*
 - ~~[(b)]~~ *(2) Generally expanding beyond the pupil’s own knowledge to seek information concerning topics of personal interest or aspects of well-being; and*
 - ~~[(c)]~~ *(3) Exploring a range of sources to obtain information concerning topics of personal interest or aspects of well-being.*
 - ~~[(b)]~~ *(b) Design, develop and evaluate information and conclusions based upon that information relating to topics of personal interest to the pupil by:*
 - ~~[(a)]~~ *(1) Organizing and presenting basic information gathered by the pupil relating to those topics of personal interest; and*
 - ~~[(b)]~~ *(2) Creating solutions and methods of conveying information concerning those topics of personal interest.*

- ~~[[3-]]~~ (c) Demonstrate that the pupil is a competent and self-motivated reader by:
- ~~[[a-]]~~ (1) Explaining and discussing various examples of fiction;
- ~~[[b-]]~~ (2) Choosing fiction and other types of literature to read and analyze; and
- ~~[[e-]]~~ (3) Reading avidly and evaluating the strengths and weaknesses of literature read.
- ~~[[4-]]~~ (d) Derive meaning from information presented creatively in a variety of formats by:
- (1) ~~[[e-]]~~ Explaining and discussing films, plays and other creative presentations of information~~[-]~~; and
- (2) *Analyzing and explaining information presented creatively in various formats.*
- ~~[[5-]]~~ (e) Develop creative methods of conveying information in a variety of formats by:
- ~~[[a-]]~~ (1) Expressing information and ideas creatively in simple formats; and
- ~~[[b-]]~~ (2) Expressing information and ideas creatively in ways that combine several formats.
- ~~[[6-]]~~ (f) Assess the quality of the process and outcome of the pupil's efforts to obtain information by:
- ~~[[a-]]~~ (1) Retracing the steps the pupil took to obtain information and explaining which were most useful for resolving a problem or question concerning the information; and
- ~~[[b-]]~~ (2) Assessing each step the pupil took to obtain information with respect to a specific problem concerning the information and assessing the result.
- ~~[[7-]]~~ (g) Devise basic strategies for revising, improving and updating self-generated knowledge by explaining those strategies.
- 3. For the areas of recognizing the importance of information to a democratic society, practicing ethical behavior in regard to information and information technology, and participating effectively in groups to pursue and generate information, a pupil must demonstrate the ability to:*
- (a) *Seek information from diverse sources, contexts, disciplines, and cultures by:*
- (1) *Identifying several appropriate sources for resolving an information problem or question; and*
- (2) *Using a variety of sources covering diverse perspectives to resolve an information problem or question.*
- (b) *Respect the principle of equitable access and information by:*
- (1) *Explaining why it's important for all classmates to have access to information, to information sources, and information technology; and*
- (2) *Using information, information sources, and information technology efficiently so that they are available for others to use.*
- (c) *Respect the principles of intellectual freedom by:*
- (1) *Defining or giving examples of "intellectual freedom"; and*
- (2) *Analyzing a situation (e.g. personal opinion of a book or video in the library media center) in terms of its relationship to intellectual freedom.*
- (d) *Respect intellectual property rights by:*
- (1) *Giving examples of what it means to respect intellectual property rights; and*
- (2) *Analyzing situations (e.g., the creation of a term paper or the development of a multi media product) to determine the steps necessary to respect intellectual property rights.*
- (e) *Use information technology responsibly by:*
- (1) *Stating the main points of the school policy regarding the use of computing and communications hardware, software, and networks; and*
- (2) *Locating appropriate information efficiently with the school's computing and communications hardware, software, and networks.*

- (f) *Share knowledge and information with others by:*
 - (1) *Contributing to group efforts by seeking and communicating specific facts, opinions, and points of view related to information problems or questions; and*
 - (2) *Using information sources, selects information and ideas that will contribute directly to the success of group projects.*
- (g) *Respect others' ideas and backgrounds and acknowledge their contributions by:*
 - (1) *Describing others' ideas accurately and completely; and*
 - (2) *Encouraging consideration of ideas and information from all group members.*
- (h) *Collaborate with others, both in person and through technologies, to identify information problems and to seek their solution by:*
 - (1) *Expressing one's own ideas appropriately and effectively, in person and remotely through technologies, while working in groups to identify and resolve information problems;*
 - (2) *Participating actively in discussions with others, in person and remotely through technologies, to analyze information problems and suggest solutions; and*
 - (3) *Participating actively in discussions with others, in person and remotely through technologies, to devise solutions to information problems that integrate group members' information and ideas.*
- (i) *Collaborate with others, both in person and through technologies, to design, develop, and evaluate information products and solutions by working with others, in person and remotely through technologies, to create and evaluate simple information products.*

Section 5. NAC 389.29415 Information literacy. By the end of the fifth grade, pupils must know and be able to do everything required in the previous grades to be *information* literate ~~in the process of obtaining information in such a manner as to access information efficiently, evaluate information critically and competently and use information accurately and creatively.]~~ Instruction in the fifth grade, regardless of whether it takes place in the library or the classroom, must be designed so that pupils meet the following standards for information literacy by the completion of the fifth grade:

1. For the areas of understanding the process of obtaining information in such a manner as to access information efficiently and effectively, evaluate information critically and competently and use information accurately and creatively, a pupil must demonstrate the ability to:

- (a) *Recognize the need for information by:*
 - (1) *Giving examples of situations in which additional information (beyond one's own knowledge) is needed to resolve an information problem or question;*
 - (2) *Determining whether additional information (beyond one's own knowledge) is needed to resolve an information problem or question; and*
 - (3) *Assessing whether a range of information problems or questions can be resolved based on one's own knowledge or whether additional information is required.*
- (b) *Recognize that accurate and comprehensive information is the basis for intelligent decision-making by:*
 - (1) *Selecting examples of accurate and inaccurate information and of complete and incomplete information; and*
 - (2) *Explaining the differences between accurate and inaccurate information and between complete and incomplete information.*
- (c) *Formulate questions based on information needs by:*

- (1) *Stating at least one broad question that will help in finding needed information; and*
- (2) *Stating both broad and specific questions that will help in finding needed information.*
- (d) *Identify a variety of potential sources of information by:*
 - (1) *Listing several sources of information and explaining the kind of information found in each;*
 - (2) *Brainstorming a range of sources of information that will meet an information need; and*
 - (3) *Using a full range of information sources to meet differing information needs.*
- (e) *Develop and use successful strategies for locating information by:*
 - (1) *Listing some ideas to identify and find needed information; and*
 - (2) *Explaining and applying a plan to access needed information.*
- (f) *Determine accuracy, relevance, and comprehensiveness by:*
 - (1) *Defining and giving examples of the terms “accuracy,” “relevance,” and “comprehensiveness”; and*
 - (2) *Comparing and contrasting sources related to a topic.*
- (g) *Distinguish among fact, point of view, and opinion by:*
 - (1) *Recognizing them in various information sources and products;*
 - (2) *Explaining how each is different from one another; and*
 - (3) *Assembling them as appropriate in one’s own work.*
- (h) *Identify inaccurate and misleading information by:*
 - (1) *Recognizing it in information sources and product; and.*
 - (2) *Explaining why such information can lead to faulty conclusions.*
- (i) *Select information appropriate to the problem or question at hand by:*
 - (1) *Recognizing information that is applicable to a specific information problem;*
 - (2) *Analyzing information from a variety of sources to determine its applicability to a specific information problem or question; and*
 - (3) *Integrating accurate, relevant, and comprehensive information to resolve an information problem or question.*
- (j) *Organize information for practical application by:*
 - (1) *Describing several ways to organize information – for example, chronologically, topically, and hierarchically;*
 - (2) *Organizing it in different ways according to the information problem or question at hand; and*
 - (3) *Organizing an information product that presents different types of information in the most effective ways.*
- (k) *Integrate new information into one’s own knowledge by:*
 - (1) *Recognizing and understanding new information and ideas;*
 - (2) *Drawing conclusions by combining what is already known about a topic with new information; and*
 - (3) *Integrating one’s own previous knowledge with information from a variety of sources to create new meaning.*
- (l) *Apply information in critical thinking and problem solving by:*
 - (1) *Identifying information that meets a particular information need;*
 - (2) *Using information from a variety of sources to resolve an information problem or question; and*

(3) Devising creative approaches to use information to resolve information problems or questions.

(m) Produce and communicate information and ideas in appropriate formats by:

(1) Naming a variety of different formats for presenting different kinds of information;

(2) Choosing an appropriate format for presenting information based on the information itself, the audience, and the nature of the information problem or question; and

(3) Choosing the most appropriate format for presenting information and justifying that choice.

2. For the areas of pursuing information related to personal interests, appreciating literature and other creative expressions of information, and striving for excellence in information seeking and knowledge generation, a pupil must demonstrate the ability to:

~~[1.]~~ *(a) Seek information relating to various dimensions of personal well-being, such as vocational interests, involvement in community, matters concerning health and recreational pursuits by:*

~~[(a)]~~ *(1) Occasionally seeking information about topics of personal interest or aspects of well-being;*

~~[(b)]~~ *(2) Generally expanding beyond the pupil's own knowledge to seek information concerning topics of personal interest or aspects of well-being; and*

~~[(c)]~~ *(3) Exploring a range of sources to obtain information concerning topics of personal interest or aspects of well-being.*

~~[2.]~~ *(b) Design, develop and evaluate information and conclusions based upon that information relating to topics of personal interest to the pupil by:*

~~[(a)]~~ *(1) Organizing and presenting basic information gathered by the pupil relating to those topics of personal interest;*

~~[(b)]~~ *(2) Creating solutions and methods of conveying information concerning those topics of personal interest; and*

~~[(c)]~~ *(3) Judging the quality of the pupil's own solutions and methods of conveying information concerning those topics of personal interest.*

~~[3.]~~ *(c) Demonstrate that the pupil is a competent and self-motivated reader by:*

~~[(a)]~~ *(1) Explaining and discussing various examples of fiction;*

~~[(b)]~~ *(2) Choosing fiction and other types of literature to read and analyze; and*

~~[(c)]~~ *(3) Reading avidly and evaluating the strengths and weaknesses of literature read.*

~~[4.]~~ *(d) Derive meaning from information presented creatively in a variety of formats by:*

(1) ~~[(a)]~~ Explaining and discussing films, plays and other creative presentations of information~~[.]~~;

*(2) **Analyzing and explaining information presented creatively in various formats; and***

*(3) **Evaluating the strengths and weaknesses of various creative presentations of information.***

~~[5.]~~ *(e) Develop creative methods of conveying information in a variety of formats by:*

~~[(a)]~~ *(1) Expressing information and ideas creatively in simple formats; and*

~~[(b)]~~ *(2) Expressing information and ideas creatively in ways that combine several formats.*

~~[6.]~~ *(f) Assess the quality of the process and outcome of the pupil's efforts to obtain information by:*

~~[(a)]~~ *(1) Retracing the steps the pupil took to obtain information and explaining which were most useful for resolving a problem or question concerning the information;*

~~[(b)]~~ (2) Assessing each step the pupil took to obtain information with respect to a specific problem concerning the information and assessing the result; and

~~[(e)]~~ (3) Evaluating the process of obtaining information at each step as it occurs and making such adjustments as are necessary to improve both the process and the outcome.

~~[(7)]~~ (g) Devise basic strategies for revising, improving and updating self-generated knowledge by:

~~[(a)]~~ (1) Explaining those strategies; and

~~[(b)]~~ (2) Selecting and applying such strategies as are appropriate.

3. For the areas of recognizing the importance of information to a democratic society, practicing ethical behavior in regard to information and information technology, and participating effectively in groups to pursue and generate information, a pupil must demonstrate the ability to:

(a) Seek information from diverse sources, contexts, disciplines, and cultures by;

(1) Identifying several appropriate sources for resolving an information problem or question; and

(2) Using a variety of sources covering diverse perspectives to resolve an information problem or question.

(b) Respect the principle of equitable access and information by:

(1) Explaining why it's important for all classmates to have access to information, to information sources, and information technology;

(2) Using information, information sources, and information technology efficiently so that they are available for others to use; and

(3) Proposing strategies for ensuring that classmates and others have equitable access to information, to information sources, and to information technology.

(c) Respect the principles of intellectual freedom by:

(1) Defining or giving examples of "intellectual freedom"; and

(2) Analyzing a situation (e.g. personal opinion of a book or video in the library media center) in terms of its relationship to intellectual freedom.

(d) Respect intellectual property rights by:

(1) Giving examples of what it means to respect intellectual property rights;

(2) Analyzing situations (e.g., the creation of a term paper or the development of a multi media product) to determine the steps necessary to respect intellectual property rights; and

(3) Avoiding plagiarism, citing sources properly, making copies and incorporating text and images only with appropriate clearance, etc. when creating information products.

(e) Use information technology responsibly by:

(1) Stating the main points of the school policy regarding the use of computing and communications hardware, software, and networks;

(2) Locating appropriate information efficiently with the school's computing and communications hardware, software, and networks; and

(3) Following all school guidelines relating to the use of computing and communications hardware, software, and networks when resolving information problems or questions.

(f) Share knowledge and information with others by:

(1) Contributing to group efforts by seeking and communicating specific facts, opinions, and points of view related to information problems or questions;

(2) Using information sources, selects information and ideas that will contribute directly to the success of group projects; and

- (3) *Integrating one's own knowledge and information with that of others in the group.*
- (g) *Respect others' ideas and backgrounds and acknowledge their contributions by:*
 - (1) *Describing others' ideas accurately and completely;*
 - (2) *Encouraging consideration of ideas and information from all group members; and*
 - (3) *Helping to organize and integrate the contributions of all the members of the group into information products.*
- (h) *Collaborate with others, both in person and through technologies, to identify information problems and to seek their solution by:*
 - (1) *Expressing one's own ideas appropriately and effectively, in person and remotely through technologies, while working in groups to identify and resolve information problems;*
 - (2) *Participating actively in discussions with others, in person and remotely through technologies, to analyze information problems and suggest solutions; and*
 - (3) *Participating actively in discussions with others, in person and remotely through technologies, to devise solutions to information problems that integrate group members' information and ideas.*
- (i) *Collaborate with others, both in person and through technologies, to design, develop, and evaluate information products and solutions by working with others, in person and remotely through technologies, to create and evaluate simple information products.*

Section 6. NAC 389.299 Information literacy. By the end of the sixth grade, and continuing through the twelfth grade, pupils must know and be able to do everything required in the previous grades to be *information* literate ~~[in the process of obtaining information in such a manner as to access information efficiently, evaluate information critically and competently and use information accurately and creatively.]~~ Instruction in the sixth grade, regardless of whether it takes place in the library or the classroom, must be designed so that pupils meet the following standards for information literacy by the completion of the sixth grade *and continuing through the completion of the twelfth grade:*

1. For the areas of understanding the process of obtaining information in such a manner as to access information efficiently and effectively, evaluate information critically and competently and use information accurately and creatively, a pupil must demonstrate the ability to:

- (a) *Recognize the need for information by:*
 - (1) *Giving examples of situations in which additional information (beyond one's own knowledge) is needed to resolve an information problem or question;*
 - (2) *Determining whether additional information (beyond one's own knowledge) is needed to resolve it when faced with an information problem or question; and*
 - (3) *Assessing whether a range of information problems or questions can be resolved based on one's own knowledge or whether additional information is required.*
- (b) *Recognize that accurate and comprehensive information is the basis for intelligent decision-making by:*
 - (1) *Selecting examples of accurate and inaccurate information and of complete and incomplete information;*
 - (2) *Explaining the differences between accurate and inaccurate information and between complete and incomplete information; and*
 - (3) *Judging the quality of decisions in terms of the accuracy and completeness of the information on which they were based.*

- (c) *Formulate questions based on information needs by:*
 - (1) *Stating at least one broad question that will help in finding needed information;*
 - (2) *Stating both broad and specific questions that will help in finding needed information; and*
 - (3) *Revising, adding, and deleting questions as information needs change.*
- (d) *Identify a variety of potential sources of information by:*
 - (1) *Listing several sources of information and explaining the kind of information found in each;*
 - (2) *Brainstorming a range of sources of information that will meet an information need; and*
 - (3) *Using a full range of information sources to meet differing information needs.*
- (e) *Develop and use successful strategies for locating information by:*
 - (1) *Listing some ideas to identify and find needed information;*
 - (2) *Explaining and applying a plan to access needed information; and*
 - (3) *Formulating and revising plans for accessing information for a range of needs and situations.*
- (f) *Determine accuracy, relevance, and comprehensiveness by:*
 - (1) *Defining and giving examples of the terms “accuracy,” “relevance,” and “comprehensiveness”;*
 - (2) *Determine accuracy, relevance, and comprehensiveness by comparing and contrasting sources related to a topic; and*
 - (3) *Judging the accuracy, relevance, and completeness of sources and information in relation to a range of topics and information problems.*
- (g) *Distinguish among fact, point of view, and opinion by:*
 - (1) *Recognizing them in various information sources and products;*
 - (2) *Explaining how each is different from one another; and*
 - (3) *Assembling them as appropriate in one’s own work.*
- (h) *Identify inaccurate and misleading information by:*
 - (1) *Recognizing it in information sources and products;*
 - (2) *Explaining why such information can lead to faulty conclusions; and*
 - (3) *Judging and supporting judgments of the degree of inaccuracy, bias, or misleading information in information sources and products.*
- (i) *Select information appropriate to the problem or question at hand by:*
 - (1) *Recognizing information that is applicable to a specific information problem or question;*
 - (2) *Analyzing information from a variety of sources to determine its applicability to a specific information problem or question; and*
 - (3) *Integrating accurate, relevant, and comprehensive information to resolve an information problem or question.*
- (j) *Organize information for practical application by:*
 - (1) *Describing several ways to organize information – for example, chronologically, topically, and hierarchically;*
 - (2) *Organizing information for practical application by organizing it in different ways according to the information problem or question at hand; and*
 - (3) *Organizing an information product that presents different types of information in the most effective ways.*

- (k) Integrate new information into one's own knowledge by:*
- (1) Recognizing and understanding new information and ideas;*
 - (2) Drawing conclusions and combining what is already known about a topic with new information; and*
 - (3) Integrating one's own previous knowledge with information from a variety of sources to create new meaning.*
- (l) Apply information in critical thinking and problem solving by:*
- (1) Identifying information that meets a particular information need;*
 - (2) Using information from a variety of sources to resolve an information problem or question; and*
 - (3) Devising creative approaches to use information to resolve information problems or questions.*
- (m) Produce and communicate information and ideas in appropriate formats by:*
- (1) Naming a variety of different formats for presenting different kinds of information;*
 - (2) Choosing an appropriate format for presenting information based on the information itself, the audience, and the nature of the information problem or question; and*
 - (3) Choosing the most appropriate format for presenting information and justifying that choice.*
- 2. For the areas of pursuing information related to personal interests, appreciating literature and other creative expressions of information, and striving for excellence in information seeking and knowledge generation, a pupil must demonstrate the ability to:*
- ~~[[1]]~~ *(a) Seek information relating to various dimensions of personal well-being, such as vocational interests, involvement in community, matters concerning health and recreational pursuits by:*
- ~~[[a]]~~ *(1) Occasionally seeking information about topics of personal interest or aspects of well-being;*
 - ~~[[b]]~~ *(2) Generally expanding beyond the pupil's own knowledge to seek information concerning topics of personal interest or aspects of well-being; and*
 - ~~[[c]]~~ *(3) Exploring a range of sources to obtain information concerning topics of personal interest or aspects of well-being.*
- ~~[[2]]~~ *(b) Design, develop and evaluate information and conclusions based upon that information relating to topics of personal interest to the pupil by:*
- ~~[[a]]~~ *(1) Organizing and presenting basic information gathered by the pupil relating to those topics of personal interest;*
 - ~~[[b]]~~ *(2) Creating solutions and methods of conveying information concerning those topics of personal interest; and*
 - ~~[[c]]~~ *(3) Judging the quality of the pupil's own solutions and methods of conveying information concerning those topics of personal interest.*
- ~~[[3]]~~ *(c) Demonstrate that the pupil is a competent and self-motivated reader by:*
- ~~[[a]]~~ *(1) Explaining and discussing various examples of fiction;*
 - ~~[[b]]~~ *(2) Choosing fiction and other types of literature to read and analyze; and*
 - ~~[[c]]~~ *(3) Reading avidly and evaluating the strengths and weaknesses of literature read.*
- ~~[[4]]~~ *(d) Derive meaning from information presented creatively in a variety of formats by:*
- (1) ~~[[a]]~~ Explaining and discussing films, plays and other creative presentations of information~~[[1]]~~;*
 - (2) Analyzing and explaining information presented creatively in various formats; and*

(3) Evaluating the strengths and weaknesses of various creative presentations of information.

~~[[5-]]~~ (e) Develop creative methods of conveying information in a variety of formats by:

~~[[a-]]~~ (1) Expressing information and ideas creatively in simple formats; and

~~[[b-]]~~ (2) Expressing information and ideas creatively in ways that combine several formats.

~~[[6-]]~~ (f) Assess the quality of the process and outcome of the pupil's efforts to obtain information by:

~~[[a-]]~~ (1) Retracing the steps the pupil took to obtain information and explaining which were most useful for resolving a problem or question concerning the information;

~~[[b-]]~~ (2) Assessing each step the pupil took to obtain information with respect to a specific problem concerning the information and assessing the result; and

~~[[c-]]~~ (3) Evaluating the process of obtaining information at each step as it occurs and making such adjustments as are necessary to improve both the process and the outcome.

~~[[7-]]~~ (g) Devise basic strategies for revising, improving and updating self-generated knowledge by:

~~[[a-]]~~ (1) Explaining those strategies;

~~[[b-]]~~ (2) Selecting and applying such strategies as are appropriate; and

~~[[c-]]~~ (3) Recognizing gaps in the pupil's own knowledge and applying appropriate strategies for filling those gaps.

3. For the areas of recognizing the importance of information to a democratic society, practicing ethical behavior in regard to information and information technology, and participating effectively in groups to pursue and generate information, a pupil must demonstrate the ability to:

(a) Seek information from diverse sources, contexts, disciplines, and cultures by:

(1) Identifying several appropriate sources for resolving an information problem or question;

(2) Using a variety of sources covering diverse perspectives to resolve an information problem or question; and

(3) Seeking sources representing a variety of contexts, disciplines, and cultures and evaluates their usefulness for resolving an information problem or question.

(b) Respect the principle of equitable access and information by:

(1) Explaining why it's important for all classmates to have access to information, to information sources, and information technology;

(2) Using information, information sources, and information technology efficiently so that they are available for others to use; and

(3) Proposing strategies for ensuring that classmates and others have equitable access to information, to information sources, and to information technology.

(c) Respect the principles of intellectual freedom by:

(1) Defining or giving examples of "intellectual freedom";

(2) Analyzing a situation (e.g. personal opinion of a book or video in the library media center) in terms of its relationship to intellectual freedom; and

(3) Predicting what might happen if the principles of intellectual freedom were ignored in one's own community.

(d) Respect intellectual property rights by:

(1) Giving examples of what it means to respect intellectual property rights;

(2) *Analyzing situations (e.g., the creation of a term paper or the development of a multi media product) to determine the steps necessary to respect intellectual property rights; and*

(3) *Avoiding plagiarism, cites sources properly, makes copies and incorporates text and images only with appropriate clearance, etc. when creating information products.*

(e) *Use information technology responsibly by:*

(1) *Stating the main points of the school policy regarding the use of computing and communications hardware, software, and networks;*

(3) *Locating appropriate information efficiently with the school's computing and communications hardware, software, and networks; and*

(3) *Following all school guidelines relating to the use of computing and communications hardware, software, and networks when resolving information problems or questions.*

(f) *Share knowledge and information with others by:*

(1) *Contributing to group efforts by seeking and communicating specific facts, opinions, and points of view related to information problems or questions;*

(2) *Using information sources, selects information and ideas that will contribute directly to the success of group projects; and*

(3) *Integrating one's own knowledge and information with that of others in the group.*

(g) *Respect others' ideas and backgrounds and acknowledge their contributions by:*

(1) *Describing others' ideas accurately and completely;*

(2) *Encouraging consideration of ideas and information from all group members; and*

(3) *Helping to organize and integrate the contributions of all the members of the group into information products.*

(h) *Collaborate with others, both in person and through technologies, to identify information problems and to seek their solution by:*

(1) *Expressing one's own ideas appropriately and effectively, in person and remotely through technologies, while working in groups to identify and resolve information problems;*

(2) *Participating actively in discussions with others, in person and remotely through technologies, to analyze information problems and suggest solutions; and*

(3) *Participating actively in discussions with others, in person and remotely through technologies, to devise solutions to information problems that integrate group members' information and ideas.*

(i) *Collaborate with others, both in person and through technologies, to design, develop, and evaluate information products and solutions by:*

(1) *working with others, in person and remotely through technologies, to create and evaluate simple information products;*

(2) *Working with others, in person and remotely through technologies, to create and evaluate products that communicate complex information and ideas; and*

(3) *Working with others, in person and remotely through technologies, to create and evaluate complex information products that integrate information in a variety of formats.*