

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

TITLE 23: EDUCATION AND CULTURAL RESOURCES

SUBTITLE A: EDUCATION

CHAPTER I: STATE BOARD OF EDUCATION

SUBCHAPTER a: PUBLIC SCHOOL RECOGNITION

PART 1

PUBLIC SCHOOLS EVALUATION, RECOGNITION AND SUPERVISION

SUBPART A: RECOGNITION REQUIREMENTS

Section

- 1.10 Public School Accountability Framework
- 1.20 Operational Requirements
- 1.30 State Assessment
- 1.40 Adequate Yearly Progress
- 1.50 Calculation of Participation Rate
- 1.60 Subgroups of Students; Inclusion of Relevant Scores
- 1.70 Additional Indicators for Adequate Yearly Progress
- 1.75 Student Information System
- 1.77 Educator Licensure Information System (ELIS)
- 1.79 School Report Card
- 1.80 Academic Early Warning and Watch Status
- 1.85 School and District Improvement Plans; Restructuring Plans
- 1.88 Additional Accountability Requirements for Districts Serving Students of Limited English Proficiency under Title III
- 1.90 System of Rewards and Recognition – The Illinois Honor Roll
- 1.95 Appeals Procedure
- 1.97 Survey of Learning Conditions
- 1.100 Waiver and Modification of State Board Rules and School Code Mandates
- 1.110 Appeal Process under Section 22-60 of the School Code

SUBPART B: SCHOOL GOVERNANCE

Section

- 1.210 Approval of Providers of Training for School Board Members under Section 10-16a of the School Code
- 1.220 Duties of Superintendent (Repealed)
- 1.230 Board of Education and the School Code (Repealed)
- 1.240 Equal Opportunities for all Students
- 1.242 Temporary Exclusion for Failure to Meet Minimum Academic or Attendance

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Standards

- 1.245 Waiver of School Fees
- 1.250 District to Comply with 23 Ill. Adm. Code 180 (Repealed)
- 1.260 Commemorative Holidays to be Observed by Public Schools (Repealed)
- 1.270 Book and Material Selection (Repealed)
- 1.280 Discipline
- 1.285 Requirements for the Use of Isolated Time Out, Time Out, and Physical Restraint
- 1.290 Absenteeism and Truancy Policies

SUBPART C: SCHOOL DISTRICT ADMINISTRATION

Section

- 1.310 Administrative Qualifications and Responsibilities
- 1.320 Evaluation of Licensed Educators
- 1.323 Teacher Evaluation Ratings During a Declared Gubernatorial Disaster
- 1.325 Teacher Remediation Plan During a Declared Gubernatorial Disaster
- 1.330 Toxic Materials Training

SUBPART D: THE INSTRUCTIONAL PROGRAM

Section

- 1.410 Determination of the Instructional Program
- 1.420 Basic Standards
- 1.421 Remote and Blended Remote Learning Days
- 1.422 Electronic Learning (E-Learning) Days Pilot Program
- 1.423 Competency-Based High School Graduation Requirements Pilot Program
- 1.425 Additional Criteria for Physical Education
- 1.430 Additional Criteria for Elementary Schools
- 1.440 Additional Criteria for High Schools
- 1.442 State Seal of Biliteracy (Repealed)
- 1.443 Illinois Global Scholar Certificate
- 1.445 Required Course Substitute
- 1.450 Special Programs (Repealed)
- 1.460 Credit Earned Through Proficiency Examinations
- 1.462 Uniform Annual Consumer Education Proficiency Test (Repealed)
- 1.465 Ethnic School Foreign Language Credit and Program Approval
- 1.470 Adult and Continuing Education
- 1.480 Correctional Institution Educational Programs

SUBPART E: SUPPORT SERVICES

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Section

- 1.510 Transportation
- 1.515 Training of School Bus Driver Instructors
- 1.520 Home and Hospital Instruction
- 1.530 Health Services
- 1.540 Undesignated Emergency Medications in Schools: Epinephrine; Opioid Antagonists; -Asthma Medication

SUBPART F: STAFF LICENSURE REQUIREMENTS

Section

- 1.610 Personnel Required to be Qualified
- 1.620 Accreditation of Staff (Repealed)
- 1.630 Paraprofessionals; Other Unlicensed Personnel
- 1.640 Requirements for Different Certificates (Repealed)
- 1.650 Transcripts of Credits
- 1.660 Records of Professional Personnel

SUBPART G: STAFF QUALIFICATIONS

Section

- 1.700 Requirements for Staff Providing Professional Development
- 1.705 Requirements for Supervisory and Administrative Staff
- 1.710 Requirements for Elementary Teachers
- 1.720 Requirements for Teachers of Middle Grades
- 1.730 Minimum Requirements for Secondary Teachers and Specified Subject Area Teachers in Grades 6 and Above through June 30, 2004
- 1.735 Requirements to Take Effect from July 1, 1991, through June 30, 2004
- 1.736 Requirements to Take Effect from July 1, 1994, through June 30, 2004
- 1.737 Minimum Requirements for the Assignment of Teachers in Grades 9 through 12 Beginning July 1, 2004
- 1.740 Standards for Reading through June 30, 2004
- 1.745 Requirements for Reading Teachers and Reading Specialists at all Levels as of July 1, 2004
- 1.750 Standards for Media Services through June 30, 2004
- 1.755 Requirements for Library Information Specialists Beginning July 1, 2004
- 1.760 Standards for School Support Personnel Services
- 1.762 Supervision of Speech-Language Pathology Assistants
- 1.770 Standards for Special Education Personnel

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

- 1.780 Standards for Teachers in Bilingual Education Programs
- 1.781 Requirements for Bilingual Education Teachers in Prekindergarten, Kindergarten and any of Grades 1-12
- 1.782 Requirements for Teachers of English as a Second Language in Prekindergarten, Kindergarten and any of Grades 1-12
- 1.783 Requirements for Administrators of Bilingual Education Programs
- 1.790 Substitute Teacher
- 1.792 Short-Term Substitute Teacher
- 1.794 Substitute Teachers; Recruiting Firms
  
- 1.APPENDIX A Professional Staff Educator Licensure
- 1.APPENDIX B Competency-Based High School Graduation Requirements Pilot Program  
Criteria for Review
- 1.APPENDIX C Glossary of Terms (Repealed)
- 1.APPENDIX D State Goals for Learning
- 1.APPENDIX E Evaluation Criteria – Student Performance and School Improvement  
Determination (Repealed)
- 1.APPENDIX F Criteria for Determination – Student Performance and School  
Improvement (Repealed)
- 1.APPENDIX G Criteria for Determination – State Assessment (Repealed)
- 1.APPENDIX H Guidance and Procedures for School Districts Implementing the Illinois  
Global Scholar Certificate

AUTHORITY: Implementing Sections 2-3.25, 2-3.25g, 2-3.44, 2-3.96, 2-3.159, 10-17a, 10-20.14, 10-21.4a, 10-22.43a, 21B-5, 21B-20, 22-30, 22-60, 24-24, 26-13, 27-3.5, 27-6, 27-12.1, 27-13.1, 27-20.3, 27-20.4, 27-20.5, 27-22, 27-23.3 and 27-23.8 and authorized by Section 2-3.6 of the School Code [105 ILCS 5].

SOURCE: Adopted September 21, 1977; codified at 7 Ill. Reg. 16022; amended at 9 Ill. Reg. 8608, effective May 28, 1985; amended at 9 Ill. Reg. 17766, effective November 5, 1985; emergency amendment at 10 Ill. Reg. 14314, effective August 18, 1986, for a maximum of 150 days; amended at 11 Ill. Reg. 3073, effective February 2, 1987; amended at 12 Ill. Reg. 4800, effective February 26, 1988; amended at 14 Ill. Reg. 12457, effective July 24, 1990; amended at 15 Ill. Reg. 2692, effective February 1, 1991; amended at 16 Ill. Reg. 18010, effective November 17, 1992; expedited correction at 17 Ill. Reg. 3553, effective November 17, 1992; amended at 18 Ill. Reg. 1171, effective January 10, 1994; emergency amendment at 19 Ill. Reg. 5137, effective March 17, 1995, for a maximum of 150 days; amended at 19 Ill. Reg. 6530, effective May 1, 1995; amended at 19 Ill. Reg. 11813, effective August 4, 1995; amended at 20 Ill. Reg. 6255, effective April 17, 1996; amended at 20 Ill. Reg. 15290, effective November 18, 1996; amended at 22 Ill. Reg. 22233, effective December 8, 1998; emergency amendment at 24 Ill. Reg. 6111,

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

effective March 21, 2000, for a maximum of 150 days; amended at 24 Ill. Reg. 12985, effective August 14, 2000; amended at 25 Ill. Reg. 8159, effective June 21, 2001; amended at 25 Ill. Reg. 16073, effective November 28, 2001; amended at 26 Ill. Reg. 1157, effective January 16, 2002; amended at 26 Ill. Reg. 16160, effective October 21, 2002; amended at 28 Ill. Reg. 8486, effective June 1, 2004; emergency amendment at 28 Ill. Reg. 13637, effective September 27, 2004, for a maximum of 150 days; amended at 29 Ill. Reg. 1891, effective January 24, 2005; amended at 29 Ill. Reg. 11811, effective July 13, 2005; amended at 29 Ill. Reg. 12351, effective July 28, 2005; amended at 29 Ill. Reg. 15789, effective October 3, 2005; amended at 29 Ill. Reg. 19891, effective November 23, 2005; amended at 30 Ill. Reg. 8480, effective April 21, 2006; amended at 30 Ill. Reg. 16338, effective September 26, 2006; amended at 30 Ill. Reg. 17416, effective October 23, 2006; amended at 31 Ill. Reg. 5116, effective March 16, 2007; amended at 31 Ill. Reg. 7135, effective April 25, 2007; amended at 31 Ill. Reg. 9897, effective June 26, 2007; amended at 32 Ill. Reg. 10229, effective June 30, 2008; amended at 33 Ill. Reg. 5448, effective March 24, 2009; amended at 33 Ill. Reg. 15193, effective October 20, 2009; amended at 34 Ill. Reg. 2959, effective February 18, 2010; emergency amendment at 34 Ill. Reg. 9533, effective June 24, 2010, for a maximum of 150 days; amended at 34 Ill. Reg. 17411, effective October 28, 2010; amended at 35 Ill. Reg. 1056, effective January 3, 2011; amended at 35 Ill. Reg. 2230, effective January 20, 2011; amended at 35 Ill. Reg. 12328, effective July 6, 2011; amended at 35 Ill. Reg. 16743, effective September 29, 2011; amended at 36 Ill. Reg. 5580, effective March 20, 2012; amended at 36 Ill. Reg. 8303, effective May 21, 2012; amended at 38 Ill. Reg. 6127, effective February 27, 2014; amended at 38 Ill. Reg. 11203, effective May 6, 2014; amended at 39 Ill. Reg. 2773, effective February 9, 2015; emergency amendment at 39 Ill. Reg. 12369, effective August 20, 2015, for a maximum of 150 days; amended at 39 Ill. Reg. 13411, effective September 24, 2015; amended at 40 Ill. Reg. 1900, effective January 6, 2016; amended at 40 Ill. Reg. 2990, effective January 27, 2016; amended at 40 Ill. Reg. 4929, effective March 2, 2016; amended at 40 Ill. Reg. 12276, effective August 9, 2016; emergency amendment at 40 Ill. Reg. 15957, effective November 18, 2016, for a maximum of 150 days; amended at 41 Ill. Reg. 126, effective December 27, 2016; amended at 41 Ill. Reg. 4430, effective April 5, 2017; amended at 41 Ill. Reg. 6924, effective June 2, 2017; emergency amendment at 41 Ill. Reg. 8932, effective June 28, 2017, for a maximum of 150 days; amended at 41 Ill. Reg. 14044, effective November 3, 2017; amended at 42 Ill. Reg. 11512, effective June 8, 2018; amended at 43 Ill. Reg. 3792, effective February 28, 2019; amended at 43 Ill. Reg. 10213, effective August 30, 2019; amended at 43 Ill. Reg. 10718, effective September 11, 2019; amended at 43 Ill. Reg. 13324, effective October 29, 2019; emergency amendment at 43 Ill. Reg. 14305, effective November 20, 2019, for a maximum of 150 days; emergency amendment to emergency rule at 43 Ill. Reg. 14941, effective December 4, 2019, for the remainder of the 150 days; emergency amendment to amended emergency rule at 44 Ill. Reg. 4085, effective February 25, 2020, for the remainder of the 150 days; amended at 44 Ill. Reg. 1929, effective January 13, 2020; amended at 44 Ill. Reg. 6377, effective April 9, 2020; emergency amendment at 44 Ill. Reg. 7971, effective April 27, 2020, for a maximum of 150 days; emergency expired September 23, 2020; emergency

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

amendment at 44 Ill. Reg. 8382, effective May 1, 2020, for a maximum of 150 days; emergency expired September 27, 2020; amended at 44 Ill. Reg. 9961, effective May 21, 2020; emergency amendment at 44 Ill. Reg. 13498, effective July 31, 2020, for a maximum of 150 days; expired December 27, 2020; emergency amendment at 44 Ill. Reg. 16860, effective September 29, 2020, for a maximum of 150 days; emergency amendment to emergency rule at 44 Ill. Reg. 17816, effective October 23, 2020, for the remainder of the 150 days; emergency rule as amended expired February 25, 2021; amended at 45 Ill. Reg. 867, effective January 4, 2021; amended at 45 Ill. Reg. 1644, effective January 22, 2021; emergency amendment at 45 Ill. Reg. 4543, effective March 24, 2021, for a maximum of 150 days; amended at 45 Ill. Reg. 5362, effective April 12, 2021; amended at 45 Ill. Reg. \_\_\_\_\_, effective April 21, 2021; amended at 45 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

**Section 1.APPENDIX D State Goals for Learning**

The State Goals for Learning are broad statements of what students in kindergarten through grade 12 should know and be able to do as a result of their public education. The Illinois Learning Standards provide more specific definition of the essential knowledge and skills desired of Illinois students. The State Assessment and the Illinois Kindergarten Individual Development Survey are designed to measure students' mastery of the Illinois Learning Standards, so that a clear connection will emerge between students' learning and the goals and standards of the State of Illinois.

**ENGLISH LANGUAGE ARTS AND LITERACY IN HISTORY/SOCIAL STUDIES,  
SCIENCE, AND TECHNICAL SUBJECTS**

There are no State Goals for Learning in this area. The applicable standards shall be the "Common Core State Standards for English Language Arts and Literacy in History/Social Studies, Science, and Technical Subjects" (2010) published by the Common Core State Standards Initiative, National Governors Association, Hall of the States, 444 North Capitol Street, Suite 267, Washington DC 20001-1512 and posted at <http://www.corestandards.org/the-standards>. No later amendments to or editions of these standards are incorporated by this Section.

**MATHEMATICS**

There are no State Goals for Learning in this area. The applicable standards shall be the "Common Core State Standards for Mathematics" (2010) published by the Common Core State Standards Initiative, National Governors Association, Hall of the States, 444 North Capitol Street, Suite 267, Washington DC 20001-1512 and posted at <http://www.corestandards.org/the-standards>. No later amendments to or editions of these standards are incorporated by this

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Section.

WORLD LANGUAGES

The applicable standards shall be the World-Readiness Standards for Learning Languages, 4<sup>th</sup> ed. (2015) published by the National Standards Collaborative Board, 1001 N. Fairfax Street, Suite 200, Alexandria VA 22314 and posted at <https://www.actfl.org/publications/all/world-readiness-standards-learning-languages>. No later amendments to or editions of these standards are incorporated by this Section.

SCIENCE

~~The science goals and standards set forth below shall be applicable through the 2015-16 school year.~~ Beginning in the 2016-17 school year, there are no State Goals for Learning in this area and the applicable standards shall be the "Next Generation Science Standards" (2013) published by Achieve, Inc., 1400 16<sup>th</sup> Street NW, Suite 510, Washington DC 20036 and posted at <http://www.nextgenscience.org/>. No later amendments to or editions of these standards are incorporated by this Section.

~~State Goal 11: Understand the processes of scientific inquiry and technological design to investigate questions, conduct experiments and solve problems.~~

~~Standards:~~

~~Know and apply the concepts, principles and processes of scientific inquiry.~~

~~Know and apply the concepts, principles and processes of technological design.~~

~~State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.~~

~~Standards:~~

~~Know and apply concepts that explain how living things function, adapt and change.~~

~~Know and apply concepts that describe how living things interact with each other and with their environment.~~

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

~~Know and apply concepts that describe properties of matter and energy and the interactions between them.~~

~~Know and apply concepts that describe force and motion and the principles that explain them.~~

~~Know and apply concepts that describe the features and processes of the Earth and its resources.~~

~~Know and apply concepts that explain the composition and structure of the universe and Earth's place in it.~~

~~State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.~~

~~Standards:~~

~~Know and apply the accepted practices of science.~~

~~Know and apply concepts that describe the interaction between science, technology and society.~~

SOCIAL SCIENCE

Beginning in the 2017-18 school year, there are no State Goals for Learning in this area and the standards applicable to individual grade levels shall be in effect.

~~Through the 2016-17 School Year~~

~~State Goal 14: Understand political systems, with an emphasis on the United States.~~

~~Standards:~~

~~Understand and explain basic principles of the United States government.~~

~~Understand the structures and functions of the political systems of Illinois, the United States and other nations. (NOTE: Not applicable to kindergarten.)~~

~~Understand election processes and responsibilities of citizens.~~



ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

~~Understand the roles and influences of individuals and interest groups in the political systems of Illinois, the United States and other nations.~~

~~Understand United States foreign policy as it relates to other nations and international issues. (NOTE: Not applicable to kindergarten.)~~

~~Understand the development of United States political ideas and traditions. (NOTE: Not applicable to kindergarten.)~~

State Goal 15: ~~Understand economic systems, with an emphasis on the United States.~~

~~Standards:~~

~~Understand how different economic systems operate in the exchange, production, distribution and consumption of goods and services.~~

~~Understand that scarcity necessitates choices by consumers.~~

~~Understand that scarcity necessitates choices by producers. (NOTE: Not applicable to kindergarten.)~~

~~Understand trade as an exchange of goods or services.~~

~~Understand the impact of government policies and decisions on production and consumption in the economy. (NOTE: Not applicable to kindergarten.)~~

State Goal 16: ~~Understand events, trends, individuals and movements shaping the history of Illinois, the United States and other nations.~~

~~Standards:~~

~~Apply the skills of historical analysis and interpretation.~~

~~Understand the development of significant political events.~~

~~Understand the development of economic systems. (NOTE: Not applicable to kindergarten.)~~

~~Understand Illinois, United States and world social history. (NOTE: Not applicable to kindergarten.)~~

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

~~Understand Illinois, United States and world environmental history. (NOTE: Not applicable to kindergarten.)~~

~~State Goal 17: Understand world geography and the effects of geography on society, with an emphasis on the United States.~~

~~Standards:~~

~~Locate, describe and explain places, regions and features on the Earth.~~

~~Analyze and explain characteristics and interactions of the Earth's physical systems. (NOTE: Not applicable to kindergarten.)~~

~~Understand relationships between geographic factors and society.~~

~~Understand the historical significance of geography.~~

~~State Goal 18: Understand social systems, with an emphasis on the United States.~~

~~Standards:~~

~~Compare characteristics of culture as reflected in language, literature, the arts, traditions and institutions.~~

~~Understand the roles and interactions of individuals and groups in society.~~

~~Understand how social systems form and develop over time. (NOTE: Not applicable to kindergarten.)~~

Standards Beginning in the 2017-18 School Year

The Social Science Standards consist of both inquiry standards and disciplinary standards. In implementing the Social Science Standards, the inquiry standards should be used simultaneously with the individual disciplinary standards to ensure both students' comprehension and application of the knowledge and skills acquired.

Inquiry Standards

Kindergarten and Grades 1 and 2

# ILLINOIS REGISTER

---

## ILLINOIS STATE BOARD OF EDUCATION

### NOTICE OF PROPOSED AMENDMENT

Create questions to help guide inquiry about a topic with guidance from adults and/or peers.

Explore facts from various sources that can be used to answer the developed questions.

Gather information from one or two sources with guidance and support from adults and/or peers.

Evaluate a source by distinguishing between fact and opinion.

Ask and answer questions about arguments and explanations.

Use listening, consensus-building and voting procedures to decide on and take action in the classroom.

#### Grades 3-5

Develop essential questions and explain the importance of the questions to self and others.

Create supporting questions to help answer the essential questions in an inquiry.

Determine sources representing multiple points of view that will assist in answering the essential questions.

Gather relevant information and distinguish between fact and opinion to determine credibility of multiple sources.

Develop claims using evidence from multiple sources to answer essential questions.

Construct and critique arguments and explanations using reasoning, examples and details from multiple sources.

Identify a range of local problems and some ways in which people are trying to address these problems.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Use listening, consensus-building and voting procedures to decide on and take action in the classroom and school.

Grades 6-8

Create essential questions to help guide inquiry about a topic.

Ask essential and focusing questions that will lead to independent research.

Determine sources representing multiple points of view that will assist in organizing a research plan.

Determine the value of sources by evaluating their relevance and intended use.

Determine the credibility of sources based upon their origin, authority and context.

Gather relevant information from credible sources and determine whether they support each other.

Appropriately cite all the sources used.

Identify evidence from multiple sources to support claims, noting any limitations of the evidence.

Develop claims and counterclaims while pointing out the strengths and limitations of both.

Construct arguments using claims and evidence from multiple sources, while acknowledging the arguments' strengths and limitations.

Construct explanations using reasoning, correct sequencing, examples and details, while acknowledging their strengths and weaknesses.

Present arguments and explanations that would appeal to audiences and venues outside of the classroom, using a variety of media.

Critique the structure and credibility of arguments and explanations (self and others).

# ILLINOIS REGISTER

---

## ILLINOIS STATE BOARD OF EDUCATION

### NOTICE OF PROPOSED AMENDMENT

Analyze how a problem can manifest itself and the challenges and opportunities faced by those trying to address it.

Assess individual and collective capacities to take action to address problems and identify potential outcomes.

Apply a range of deliberative and democratic procedures to make decisions and take action in schools and community contexts.

#### Grades 9-12

Address essential questions that reflect an enduring issue in the field.

Explain how supporting questions contribute to inquiry.

Develop new supporting and essential questions through investigation, collaboration and using diverse sources.

Gather and evaluate information from multiple sources while considering the origin, credibility, point of view, authority, structure, context and corroborative value of the sources.

Identify evidence that draws information from multiple sources to revise or strengthen claims.

Construct and evaluate explanations and arguments using multiple sources and relevant, verified information.

Articulate explanations and arguments to a targeted audience in diverse settings.

Use interdisciplinary lenses to analyze the causes and effects of, and identify solutions to, local, regional or global concerns.

Use deliberative processes and apply democratic strategies and procedures to address local, regional or global concerns, and take action in or out of school.

#### Civics Standards

##### Kindergarten

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Describe roles and responsibilities of people in authority.

Explain the need for and purposes of rules in various settings, inside and outside of the school.

Grade 1

Explain how all people, not just official leaders, play important roles in a community.

Identify and explain how rules function in various settings, inside and outside of the school.

Grade 2

Explain what governments are and some of their functions (e.g., making and enforcing laws, protecting citizens, collecting taxes).

Describe how communities work to accomplish common tasks, establish responsibilities and fulfill roles of authority.

Grade 3

Describe ways in which interactions among families, workplaces, voluntary organizations and government benefit communities.

Explain how groups of people make rules to create responsibilities and protect freedoms.

Compare procedures for making decisions in the classroom, school and community.

Describe how people have tried to improve their communities over time.

Grade 4

Distinguish the responsibilities and powers of government at the local, State and national levels.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Explain how a democracy relies on people's responsible participation, and draw implications for how individuals should participate.

Identify core civic virtues, such as honesty, mutual respect, cooperation and attentiveness to multiple perspectives, and democratic principles, such as equality, freedom, liberty and respect for individual rights, that guide Illinois and the United States.

Explain how rules and laws change society and how people change rules and laws in Illinois.

Grade 5

Distinguish the responsibilities and powers of government officials at various levels and branches of government and in different times and places.

Examine the origins and purposes of rules, laws and key U.S. constitutional provisions.

Compare the origins, functions and structure of different systems of government.

Explain how policies are developed to address public problems.

Grades 6-8

Identify roles played by citizens, for example, voters, jurors, taxpayers, military, protesters and officeholders.

Describe the origins, purposes and impact of constitutions, laws, treaties and international agreements.

Describe the roles of political, civil and economic organizations in shaping people's lives.

Explain the origins, functions and structure of government with reference to the U.S. Constitution, Illinois Constitution and other systems of government.

Evaluate the powers and responsibilities of citizens, political parties, interest groups and the media.

# ILLINOIS REGISTER

---

## ILLINOIS STATE BOARD OF EDUCATION

### NOTICE OF PROPOSED AMENDMENT

Analyze the powers and limits of governments, public officials and bureaucracies at different levels in the United States and other countries.

Compare the means by which individuals and groups change societies, promote the common good and protect rights.

Explain the connection between interests and perspectives, civic virtues and democratic principles when addressing issues in government and society.

Apply civic virtues and democratic principles in school and community settings.

Compare the means by which individuals and groups change societies, promote the common good and protect rights.

Analyze ideas and principles contained in the founding documents of the United States and other countries, and explain how they influence the social and political system.

Compare the means by which individuals and groups change societies, promote the common good and protect rights.

Critique deliberative processes used by a wide variety of groups in various settings.

Determine whether specific rules and laws (both those that are in effect and proposed) resolve the problems they were meant to address.

Analyze the purposes, implementation and consequences of public policies in historic and contemporary settings.

Develop procedures for making decisions in historic and contemporary settings, such as the school, civil society, or local, state or national government.

#### Grades 9-12

Distinguish the rights, roles, powers and responsibilities of individuals and institutions in the political system.

Evaluate the opportunities and limitations of participation in elections, voting and the electoral process.



ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Analyze the impact of constitutions, laws and agreements on the maintenance of order, justice, equality and liberty.

Explain how the U.S. Constitution established a system of government that has powers, responsibilities and limits that have changed over time and are still contested while promoting the common good and protecting rights.

Analyze the impact of personal interest and diverse perspectives on the application of civic dispositions, democratic principles, constitutional rights and human rights.

Describe how political parties, the media and public interest groups both influence and reflect social and political interests.

Describe the concepts and principles that are inherent to American constitutional democracy.

Analyze how individuals use and challenge laws to address a variety of public issues.

Evaluate public policies in terms of intended and unintended outcomes and related consequences.

Explain the role of compromise and deliberation in the legislative process.

Economic Standards

Kindergarten

Explain that choices are made because of scarcity (i.e., because individuals cannot have everything that they want).

Grade 1

Explain and give examples of when choices are made that something else is given up.

Describe the skills and knowledge required to produce certain goods and services.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Explain how people earn pay or income in exchange for work.

Grade 2

Demonstrate how our choices can affect ourselves and others in positive and negative ways.

Explain the role of money in making exchange easier.

Compare the goods and services that people in the local community produce and those that are produced in other communities.

Explain that money can be saved or spent on goods and services.

Grade 3

Compare the goods and services that people in the local community produce and those that are produced in other communities.

Generate examples of the goods and services that governments provide.

Describe the role of banks and other financial institutions in an economy.

Explain that, when people borrow, they receive something of value now and agree to repay the lender over time.

Grade 4

Explain how profits reward and influence sellers.

Describe how goods and services are produced using human, natural and capital resources (e.g., tools, machines).

Analyze how spending choices are influenced by prices, as well as many other factors (e.g., advertising, peer pressure, options).

Explain that income can be saved, spent on goods and services, or used to pay taxes.

Grade 5

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Analyze why and how individuals, businesses and nations around the world specialize and trade.

Discover how positive incentives (e.g., sale prices, earning money) and negative consequences (e.g., library fines, parking tickets) influence behavior in the U.S. economy and around the world.

Determine the ways in which government pays for goods and services it provides.

Explain that interest is the price the borrower pays for using someone else's money.

Grades 6-8

Explain how economic decisions affect the well-being of individuals, businesses and society.

Explain how external benefits and costs influence choices.

Evaluate alternative approaches or solutions to current economic issues in terms of benefits and costs for different groups and society as a whole.

Analyze the role of innovation and entrepreneurship in a market economy.

Describe the roles of institutions, such as corporations, non-profit organizations and labor unions, in a market economy.

Explain how changes in supply and demand cause changes in prices and quantities of goods and services, labor, credit and foreign currencies.

Explain why standards of living increase as productivity improves.

Explain barriers to trade and how those barriers influence trade among nations.

Evaluate employment, unemployment, inflation, total production, income and economic growth data and how they affect different groups.

Analyze the relationship among skills, education, jobs and income.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Explain the roles and relationships among savers, borrowers, interest, time and the purposes for saving.

Identify how people choose to buy goods and services while still maintaining a budget based on income, taxes, savings, and fixed and variable expenses.

Explain the correlation among investors, investment options (and associated risks) and income/wealth.

Describe the connection among credit, credit options, interest and credit history.

Analyze the relationship among financial risks and protection, insurance and costs.

Grades 9-12

Analyze how scarcity and incentives influence choices to consume or produce for different individuals and groups.

Use marginal benefits and marginal costs to propose a solution to an economic issue for an individual or community.

Evaluate how much competition exists within and among sellers and buyers in specific markets.

Evaluate the effectiveness of government policies to improve market outcomes, address inequality or reduce inefficiencies.

Analyze the ways in which competition and government regulation influence what is produced and distributed in a market system.

Use data and economic indicators to analyze past and current states of the economy and predict future trends.

Describe how government policies are influenced by and have an impact on a variety of stakeholders.

Analyze how advances in technology and investment in capital goods and human capital affect economic growth and standards of living.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Analyze the role of comparative advantage in global trade of goods and services.

Explain how globalization trends and policies affect social, political and economic conditions in different nations.

Analyze the costs and benefits of various strategies to increase income.

Explain how to make informed financial decisions by collecting information, planning and budgeting.

Explain how time, interest rates and inflation influence saving patterns over a lifetime.

Analyze costs and benefits of different credit and payment options for goods and services, the role of lenders and interest.

Evaluate risks and rates of return of diversified investments.

Analyze the costs and benefits of insurance, including the influences of an individual's characteristics and behavior.

Geography Standards

Kindergarten

Explain how weather, climate and other environmental characteristics affect people's lives.

Identify and explain how people and goods move from place to place.

Grade 1

Construct and interpret maps and other representations to navigate a familiar place.

Grade 2

Construct and interpret maps and other graphic representations of both familiar and unfamiliar places.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Identify some cultural and environmental characteristics of your community and compare to other places.

Explain how people in your community use local and distant environments to meet their daily needs.

Grade 3

Locate major landforms and bodies of water on a map or other representation.

Compare how people modify and adapt to the environment and culture in their community to other places.

Show how the consumption of products connects people to distant places.

Grade 4

Construct and interpret maps of Illinois and the United States using various media.

Analyze how the cultural and environmental characteristics of places in Illinois change over time.

Describe some of the current movements of goods, people, jobs or information to, from or within Illinois, and explain the reasons for the movements.

Grade 5

Investigate how the cultural and environmental characteristics of places within the United States change over time.

Describe how humans have utilized natural resources in the United States.

Compare the environmental characteristics of the United States to other world regions.

Analyze the effects of specific catastrophic and environmental events, as well as technological developments, that have affected the United States and compare those to other places.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Grades 6-8

Use geographic representations (e.g., maps, photographs, satellite images) to explain relationships between the locations (places and regions) and changes in their environment.

Use mapping and graphing to represent and analyze spatial patterns of different environmental and cultural characteristics.

Construct different representations to explain the spatial patterns of cultural and environmental characteristics.

Explain how humans and their environment affect one another.

Compare and contrast the cultural and environmental characteristics of different places or regions.

Evaluate how cultural and economic decisions influence environments and the daily lives of people in both nearby and distant places.

Explain how environmental characteristics affect human migration and settlement.

Explain how changes in transportation and communication influence the spatial connections among human settlements and affect the spread of ideas and culture.

Evaluate the influences of long-term, human-induced environmental change on spatial patterns of conflict and cooperation.

Identify how cultural and environmental characteristics vary among regions of the world.

Explain how global changes in population distribution patterns affect changes in land use.

Analyze how the environmental characteristics of places and production of goods influence patterns of world trade.

Grades 9-12

# ILLINOIS REGISTER

---

## ILLINOIS STATE BOARD OF EDUCATION

### NOTICE OF PROPOSED AMENDMENT

Use maps (created using geospatial and related technologies, if possible), satellite images and photographs to display and explain the spatial patterns of physical, cultural, political, economic and environmental characteristics.

Use self-collected or pre-existing data sets to generate spatial patterns at multiple scales that can be used to conduct analyses or to take civic action.

Analyze and explain how humans affect and interact with the environment and vice versa.

Evaluate how political and economic decisions have influenced cultural and environmental characteristics of various places and regions.

Analyze how human societies plan for and respond to the consequences of human-made and naturally occurring catastrophes and how these events affect trade, politics and migration.

Analyze how historical events and the diffusion of ideas, technologies and cultural practices have influenced migration patterns and the distribution of the human population.

Evaluate how economic activities and political decisions affect spatial patterns within and among urban, suburban and rural regions.

Evaluate how short- and long-term climate variability affects human migration and settlement patterns, resource use and land uses.

Describe and explain the characteristics that constitute a particular culture.

Explain how and why culture shapes worldview.

Explain how globalization affects the cultural, political, economic and environmental characteristics of a place or region.

Evaluate how competition for scarce natural resources contributes to conflict and cooperation within and among countries.

History Standards

Kindergarten



ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Compare life in the past to life today.

Explain the significance of the national holidays of the United States, and the heroism and achievements of the people associated with them.

Grade 1

Create a chronological sequence of multiple events.

Describe individuals and groups who have shaped a significant historical change.

Compare perspectives of people in the past to those of people in the present.

Grade 2

Summarize changes that have occurred in the local community over time.

Compare individuals and groups who have shaped a significant historical change.

Explain how different kinds of historical sources, such as written documents, objects, artistic works and oral accounts, can be used to study the past.

Grade 3

Create and use a chronological sequence of events.

Describe how significant people, events and developments have shaped students' own community and region.

Identify artifacts and documents as either primary or secondary sources of historical data from which historical accounts are constructed.

Grade 4

Explain connections among historical contexts and why individuals and groups differed in their perspectives during the same historical period.

Using artifacts and primary sources, investigate how individuals contributed to the founding and development of Illinois.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Explain probable causes and effects of events and developments in Illinois history.

Grade 5

Create and use a chronological sequence of related events to compare developments that happened at the same time.

Use information about a historical source, including the maker, date, place of origin, intended audience and purpose, to judge the extent to which the source is useful for studying a particular topic.

Explain probable causes and effects of events and developments in U.S. history.

Grades 6-8

Classify a series of historical events and developments as examples of change and/or continuity.

Analyze connections among events and developments in broader historical contexts.

Use questions generated about individuals and groups to analyze why they, and the developments they shaped, are seen as historically significant.

Explain how and why perspectives of people have changed over time.

Analyze multiple factors that influenced the perspectives of people during different historical eras.

Analyze how people's perspectives influenced what information is available in the historical sources they created.

Classify the kinds of historical sources used in a secondary interpretation.

Detect possible limitations in the historical record based on evidence collected from different kinds of historical sources.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Analyze how people's perspectives influenced what information is available in the historical sources they created. Use other historical sources to infer a plausible maker, date, place of origin and intended audience for historical sources when this information is not easily identified.

Explain multiple causes and effects of historical events.

Compare the central historical arguments in secondary works across multiple media.

Organize applicable evidence into a coherent argument about the past.

Grades 9-12

Evaluate how historical developments were shaped by time and place, as well as broader historical contexts.

Analyze change and continuity within and across historical eras.

Evaluate the methods used by people and institutions to promote change.

Analyze how people and institutions have reacted to environmental, scientific and technological challenges.

Analyze the factors and historical context that influenced the perspectives of people during different historical eras.

Analyze the concept and pursuit of the "American Dream".

Identify the role of individuals, groups and institutions in people's struggle for safety, freedom, equality and justice.

Analyze key historical events and contributions of individuals through a variety of perspectives, including those of historically underrepresented groups.

Analyze the relationship between historical sources and the secondary interpretations made from them.

Analyze the causes and effects of global conflicts and economic crises.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Analyze multiple and complex causes and effects of events in the past.

Analyze the geographic and cultural forces that have resulted in conflict and cooperation.

Standards for Anthropology, Psychology and Sociology Apply to Grades 9-12 Only

Anthropology Standards

Analyze the elements of culture and explain the factors that shape these elements differently around the world.

Explain how cultures develop and vary in response to their physical and social environment, including local, national, regional and global patterns.

Explain why anthropologists study culture from a holistic perspective.

Evaluate one's own cultural assumptions using anthropological concepts.

Apply anthropological concepts and anthropological knowledge to a variety of everyday, real-world situations.

Explain how local actions can have global consequences and how global patterns and processes can affect seemingly unrelated local actions.

Psychology Standards

Identify scientific methodologies utilized in psychological research.

Evaluate the conclusions made by psychological research, including ethical concerns.

Understand a variety of psychological perspectives and apply their concepts and theoretical ideas to the investigation of similarities and differences in behavior and mental processes.

Analyze how biological, psychological and sociocultural factors and their interactions influence individuals' behavior and mental processes.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Evaluate the complexities of human thought and behavior, as well as the factors related to the individual differences among people.

Identify and apply psychological thinking to personal and societal experiences and issues.

Apply psychological knowledge to one's daily life.

Use appropriate psychological terminology with reference to psychologists and their experiments and theories in order to explain the possible causes of and impact on behavior and mental processes.

Sociology Standards

Identify and apply the sociological perspective and a variety of sociological theories.

Analyze the impact of social structure, including culture, institutions and societies.

Hypothesize how primary agents of socialization influence the individual.

Describe the impact of social relationships on the self, groups and socialization processes.

Explain the social construction of self and groups and their impact on the life changes of individuals.

Analyze the impact of stratification and inequality on groups and the individuals within them.

PHYSICAL DEVELOPMENT AND HEALTH

State Goal 19: Acquire movement and motor skills and understand concepts necessary to engage in moderate to vigorous physical activity.

Standards:

Demonstrate physical competency in a variety of motor skills and movement patterns.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Analyze various movement concepts and applications.

Demonstrate knowledge of rules, safety and strategies during physical activity.

State Goal 20: Achieve and maintain a health-enhancing level of physical fitness based upon continual self-assessment.

Standards:

Know and apply the principles and components of health-related and skill-related fitness as applied to learning and performance of physical activities.

Assess individual fitness levels.

Set goals based on fitness data and develop, implement and monitor an individual fitness improvement plan.

State Goal 21: Develop skills necessary to become a successful member of a team by working with others through physical activity.

Standards:

Demonstrate personal responsibility during group physical activities.

Demonstrate cooperative skills during structured group physical activity.

State Goal 22: Understand principles of health promotion and the prevention and treatment of illness and injury.

Standards:

Explain the basic principles of health promotion, illness prevention and safety, including how to access valid information, products and services.

Describe and explain the factors that influence health among individuals, groups and communities.

Explain how the environment can affect health.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Describe how to advocate for the health of individuals, families and communities.

State Goal 23: Understand human body systems and factors that influence growth and development.

Standards:

Describe and explain the structure and functions of the human body systems and how they interrelate.

Explain the effects of health-related actions on the body systems.

Describe factors that affect growth and development.

Describe and explain the structures and functions of the brain and how they are affected by different types of physical activity and levels of fitness.

State Goal 24: Promote and enhance health and well-being through the use of effective communication and decision-making skills.

Standards:

Demonstrate procedures for communicating in positive ways, resolving differences and preventing conflict.

Apply decision-making skills related to the protection and promotion of individual, family and community health.

Demonstrate skills essential to enhancing health and avoiding dangerous situations.

FINE ARTS

~~The fine arts goals and standards set forth below shall be applicable through the 2017-18 school year.~~

~~State Goal 25: Know the language of the arts.~~

~~Standards:~~

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

~~Understand the sensory elements, organizational principles and expressive qualities of the arts.~~

~~Understand the similarities, distinctions and connections in and among the arts.~~

~~State Goal 26: Through creating and performing, understand how works of art are produced.~~

~~Standards:~~

~~Understand processes, traditional tools and modern technologies used in the arts.~~

~~Apply skills and knowledge necessary to create and perform in one or more of the arts.~~

~~State Goal 27: Understand the role of the arts in civilizations, past and present.~~

~~Standards:~~

~~Analyze how the arts function in history, society and everyday life. (NOTE: Not applicable to kindergarten.)~~

~~Understand how the arts shape and reflect history, society and everyday life. (NOTE: Not applicable to kindergarten.)~~

Beginning in the 2018-19 school year, there are no State Goals for Learning in this area and the standards set forth below shall apply.

Discipline: Visual Arts

Process: Creating – Investigate, Plan, Make

Anchor Standard 1: Generate and conceptualize artistic ideas and work.

Enduring Understandings

Creativity and innovative thinking are essential life skills that can be developed.

Artists and designers shape artistic investigations, following or breaking with traditions in pursuit of creative art-making goals.



ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Process: Creating – Investigate

Anchor Standard 2: Organize and develop artistic ideas and work.

Enduring Understandings

Artists and designers experiment with forms, structures, materials, concepts, media and art-making approaches.

Artists and designers balance experimentation and safety, freedom and responsibility while developing and creating artworks.

People create and interact with objects, places and designs that define, shape, enhance and empower their lives.

Process: Creating – Reflect, Refine, Continue

Anchor Standard 3: Revise, refine and complete artistic work.

Enduring Understanding

Artists and designers develop excellence through practice and constructive critique, reflecting on, revising and refining work over time.

Process: Presenting – Select

Anchor Standard 4: Select, analyze and interpret artistic work for presentation.

Enduring Understanding

Artists and other presenters consider various technologies, methods, venues and criteria when analyzing, selecting and curating objects, artifacts and artworks for preservation and presentation.

Process: Presenting – Analyze

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Anchor Standard 5: Develop and refine artistic techniques and work for presentation.

Enduring Understanding

Artists, curators and others consider a variety of factors and methods, including evolving techniques, when preparing and refining artwork for display or when deciding if and how to preserve and protect artwork.

Process: Presenting – Share

Anchor Standard 6: Convey meaning through the presentation of artistic work.

Enduring Understanding

Objects, artifacts and artworks collected, preserved or presented by artists, museums or other venues communicate meaning and a record of social, cultural and political experiences, resulting in the cultivation of appreciation and understanding.

Process: Responding – Perceive

Anchor Standard 7: Perceive and analyze artistic work.

Enduring Understandings

Individual aesthetic and empathic awareness developed through engagement with art can lead to understanding and appreciation of self, others, the natural world and constructed environments.

Visual imagery influences understanding of and responses to the world.

Process: Responding – Analyze

Anchor Standard 8: Construct meaningful interpretations of artistic work.

Enduring Understanding

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

People gain insights into meanings of artworks by engaging in the process of art criticism.

Process: Responding – Interpret

Anchor Standard 9: Apply criteria to evaluate artistic work.

Enduring Understanding

People evaluate art based on various criteria.

Process: Connecting – Synthesize

Anchor Standard 10: Synthesize and relate knowledge and personal experiences to make art.

Enduring Understanding

Through art-making, people make meaning by investigating and developing awareness of perceptions, knowledge and experiences.

Process: Connecting – Relate

Anchor Standard 11: Relate artistic ideas and works with societal, cultural and historical context to deepen understanding.

Enduring Understanding

People develop ideas and understandings of society, culture and history through their interactions with and analysis of art.

Discipline: Music

Process: Creating – Investigate, Plan, Make

Anchor Standard 1: Generate and conceptualize artistic ideas and work.

Enduring Understanding

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

The creative ideas, concepts and feelings that influence musicians' work emerge from a variety of sources.

Anchor Standard 2: Organize and develop artistic ideas and work.

Enduring Understanding

Creative choices are influenced by one's expertise, context and expressive intent.

Anchor Standard 3: Revise, refine and complete artistic work.

Enduring Understanding

People evaluate and refine their work through openness to new ideas, persistence and the application of the appropriate criteria.

Process: Performing

Anchor Standard 4: Select, analyze and interpret artistic work for presentation.

Enduring Understanding

Performers' interest in and knowledge of musical works, context for performance and understanding of their own musicianship influence the selection of repertoire.

Anchor Standard 5: Develop and refine artistic techniques and work for presentation.

Enduring Understanding

To express their musical idea, performers analyze, evaluate and refine their performance over time through openness to new ideas, persistence and the application of appropriate criteria.

Anchor Standard 6: Convey meaning through the presentation of artistic work.

Enduring Understanding

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Performers judge performance based on criteria that vary across time, place and cultures. The context and how a work is presented influence the audience response.

Process: Responding

Anchor Standard 7: Perceive and analyze artistic work.

Enduring Understanding

Individuals choose music based on their interests, experiences, musical understanding and the musical work's purpose.

Anchor Standard 8: Construct meaningful interpretations of artistic work.

Enduring Understanding

Through their use of elements and structures of music, creators and performers provide clues to their expressive intent.

Anchor Standard 9: Apply criteria to evaluate artistic work.

Enduring Understanding

The personal evaluation of musical works and performances is informed by analysis, interpretation, and teacher- or student-established criteria.

Process: Connecting

Anchor Standard 10: Synthesize and relate knowledge and personal experiences to make art.

Enduring Understanding

Performers connect their personal interests, experiences, ideas and knowledge to creating, performing and responding.

Anchor Standard 11: Relate artistic ideas and works with societal, cultural and historical context to deepen understanding.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Enduring Understanding

Understanding connections to varied contexts and daily life enhances one's creating, performing and responding.

Discipline: Dance

Process: Creating – Explore

Anchor Standard 1: Generate and conceptualize artistic ideas and work.

Enduring Understanding

Choreographers use a variety of sources as inspiration and transform concepts and ideas into movement for artistic expression.

Process: Creating – Plan

Anchor Standard 2: Organize and develop artistic ideas and work.

Enduring Understanding

The elements of dance, dance structures and choreographic devices serve as both a foundation and a departure point for choreographers.

Process: Creating – Revise

Anchor Standard 3: Revise, refine and complete artistic work.

Enduring Understanding

Choreographers analyze, evaluate, refine and document their work to communicate meaning.

Process: Performing – Express

Anchor Standard 4: Select, analyze and interpret artistic work for presentation.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Enduring Understanding

Body, space, time and energy are the basic elements of dance.

Process: Performing – Embody

Anchor Standard 5: Develop and refine artistic techniques and work for presentation.

Enduring Understanding

Dancers use the mind-body connection and develop the body as an instrument for artistry and artistic expression.

Process: Performing – Present

Anchor Standard 6: Convey meaning through the presentation of artistic work.

Enduring Understanding

Dance performance is an interaction among choreographer, performer, production elements and audience that heightens and amplifies artistic intention.

Process: Responding – Analyze

Anchor Standard 7: Perceive and analyze artistic work.

Enduring Understanding

Dance is perceived and analyzed to comprehend its meaning.

Process: Responding – Interpret

Anchor Standard 8: Construct meaningful interpretations of artistic work.

Enduring Understanding

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Dance is interpreted by considering intent, meaning and artistic expression as communicated through the use of the body, elements of dance, dance technique, dance structure and context.

Process: Responding – Critique

Anchor Standard 9: Apply criteria to evaluate artistic work.

Enduring Understanding

Criteria for evaluating dance vary across genres, styles and cultures.

Process: Connecting – Synthesize

Anchor Standard 10: Synthesize and relate knowledge and personal experiences to make art.

Enduring Understanding

Personal experiences, knowledge and contexts are integrated and synthesized to interpret meaning in dance.

Process: Connecting – Relate

Anchor Standard 11: Relate artistic ideas and works with societal, cultural and historical context to deepen understanding.

Enduring Understanding

Dance literacy includes deep knowledge and perspectives about societal, cultural, historical and community contexts.

Discipline: Theater

Process: Creating – Envision, Conceptualize

Anchor Standard 1: Generate and conceptualize artistic ideas and work.

Enduring Understanding



ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Theater artists rely on intuition, curiosity and critical inquiry.

Process: Creating – Develop

Anchor Standard 2: Organize and develop artistic ideas and work.

Enduring Understanding

Theater artists work to discover different ways of communicating meaning.

Process: Creating – Rehearse

Anchor Standard 3: Revise, refine and complete artistic work.

Enduring Understanding

Theater artists refine their work and practice their craft through rehearsal.

Process: Performing – Select

Anchor Standard 4: Select, analyze and interpret artistic work for presentation.

Enduring Understanding

Theater artists make strong choices to convey meaning effectively.

Process: Performing – Prepare

Anchor Standard 5: Develop and refine artistic techniques and work for presentation.

Enduring Understanding

Theater artists develop personal processes and skills for a performance or design.

Process: Performing – Share, Present

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Anchor Standard 6: Convey meaning through the presentation of artistic work.

Enduring Understanding

Theater artists share and present stories, ideas and envisioned worlds to explore human experience.

Process: Responding – Reflect

Anchor Standard 7: Perceive and analyze artistic work.

Enduring Understanding

Theater artists reflect to understand the impact of drama processes and theater experiences.

Process: Responding – Interpret

Anchor Standard 8: Construct meaningful interpretations of artistic work.

Enduring Understanding

Theater artists' interpretations of drama/theater work are influenced by personal experiences and aesthetics.

Process: Responding – Evaluate

Anchor Standard 9: Apply criteria to evaluate artistic work.

Enduring Understanding

Theater artists apply criteria to investigate, explore and assess drama and theater work.

Process: Connecting – Empathize

Anchor Standard 10: Synthesize and relate knowledge and personal experiences to make art.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Enduring Understanding

Theater artists allow awareness of interrelationships between self and others to influence and inform their work.

Process: Connecting – Interrelate, Research

Anchor Standard 11: Relate artistic ideas and works with societal, cultural and historical context to deepen understanding.

Enduring Understanding

Theater artists understand and can communicate their creative process as they analyze the way the world may be understood.

Theater artists critically inquire into the ways others have thought about and created drama processes and productions to inform their own work.

Discipline: Media Arts

Process: Creating – Conceive

Anchor Standard 1: Generate and conceptualize artistic ideas and work.

Enduring Understanding

Media arts ideas, works and processes are shaped by the imagination, creative processes and experiences, both within and outside the arts.

Process: Creating – Develop

Anchor Standard 2: Organize and develop artistic ideas and work.

Enduring Understanding

Media artists plan, organize and develop creative ideas, plans and models into process structures that can effectively realize the artistic idea.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Process: Creating – Construct

Anchor Standard 3: Revise, refine and complete artistic work.

Enduring Understanding

Media artists develop excellence through practice and constructive critique, reflecting on, revising and refining work over time.

Process: Producing – Integrate

Anchor Standard 4: Select, analyze and interpret artistic work for presentation.

Enduring Understanding

Media artists make choices about how and to whom their work is presented.

Process: Producing – Practice

Anchor Standard 5: Develop and refine artistic techniques and work for presentation.

Enduring Understanding

Media artists require a range of skills and abilities to creatively solve problems within and through media arts productions.

Process: Producing – Present

Anchor Standard 6: Convey meaning through the presentation of artistic work.

Enduring Understanding

Media artists purposefully present, share and distribute media artworks for various contexts.

Process: Responding – Perceive

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Anchor Standard 7: Perceive and analyze artistic work.

Enduring Understanding

Media artworks can be appreciated and interpreted through analyzing their components.

Process: Responding – Interpret

Anchor Standard 8: Construct meaningful interpretations of artistic work.

Enduring Understanding

Interpretation and appreciation require engagement with the content, form and context of media artworks.

Process: Responding – Evaluate

Anchor Standard 9: Apply criteria to evaluate artistic work.

Enduring Understanding

Skillful evaluation and critique are critical components of experiencing, appreciating and producing media artworks.

Process: Connecting – Synthesize

Anchor Standard 10: Synthesize and relate knowledge and personal experiences to make art.

Enduring Understanding

Personal and cultural experiences affect and are affected by how media artworks are made and interpreted.

Process: Connecting – Relate

Anchor Standard 11: Relate artistic ideas and works with societal, cultural and historical context to deepen understanding.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Enduring Understanding

Media artworks and ideas are better understood and produced by relating them to their purposes, values and various contexts.

COMPUTER SCIENCE

Beginning in the 2022-23 school year, there are no State Goals for Learning in this area and the standards set forth below shall apply.

These standards are a modified version of the K-12 Computer Science Framework, available at <https://k12cs.org/>, and introduce standards for "Emerging Technologies" as a dynamic field that can contribute to many future technologies. Examples of emerging technologies currently include, but are not limited to, artificial intelligence, quantum computing, augmented reality, and applications of robotics. Teachers and students are given freedom to decide how to incorporate the future of computing into their classrooms. Within each grade band standards, this domain consists of a general progression of competencies that students should have across grade levels. These are duplicated and presented in each grade band.

Computer Science Practices

"The seven core practices of computer science describe the behaviors and ways of thinking that computationally literate students use to fully engage in today's data-rich and interconnected world. The practices naturally integrate with one another and contain language that intentionally overlaps to illuminate the connections among them. They are displayed in an order that suggests a process for developing computational artifacts. This process is cyclical and can follow many paths; in the framework, it begins with recognizing diverse users and valuing others' perspectives and ends with communicating the results to broad audiences.

Unlike the core concepts, the practices are not delineated by grade bands. Rather, the practices use a narrative to describe how students should exhibit each practice with increasing sophistication from kindergarten to Grade 12. In addition to describing the progression, these narratives also provide some examples of the interrelatedness of the practice statements and the ways in which these statements build upon one another." (K-12 Computer Science Framework).

Computer science practices 8 and 9 were added to the seven-course practice from the K-12 Computer Science Framework in order to meet the needs of emerging and future technologies.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Practice 1 – Fostering an inclusive computing culture.

Practice 2 – Collaborating around computing.

Practice 3 - Recognizing and defining computational problems.

Practice 4 - Developing and using abstractions.

Practice 5 - Creating computational artifacts.

Practice 6 - Testing and refining computational artifacts.

Practice 7 - Communicating about computing.

Practice 8 - Analyzing the effects of advancements in computing on one's society, economy, and culture.

Practice 9 - Reflecting on and revising one's computational thought processes and those of others.

All standards are coded for ease of use and reference. The code is keyed as follows:

"Grade Band.Content Domain.Number of Standard"

K-2 Standards

Computing Systems

Devices

K-2.CS.1 Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for the technology they use.

Hardware and Software

K-2.CS.02 Use appropriate terminology in identifying and describing the function of common physical components of computing systems (hardware).

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Troubleshooting

K-2.CS.03 Describe basic hardware and software problems using accurate terminology.

Networks and the Internet

Cybersecurity

K-2.NI.04 Explain what passwords are and why we use them and use strong passwords to protect devices and information from unauthorized access.

Data and Analysis

Storage

K-2.DA.05 Store, copy, search, retrieve, modify, and delete information using a computing device and define the information stored as data.

Collection, Visualization, and Transformation

K-2.DA.06 Collect and present the same data in various visual formats.

Interference and Models

K-2.DA.07 Identify and describe patterns in data visualizations, such as charts or graphs, to make predictions.

Algorithms and Programming

Algorithms

K-2.AP.08 Model daily processes by creating and following algorithms (sets of step-by-step instructions) to complete tasks.

Variables



ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

K-2.AP.09 Model the way programs store and manipulate data by using numbers or other symbols to represent information.

Control

K-2.AP.10 Develop programs with sequences and simple loops, to express ideas or address a problem.

Modularity

K-2.AP.11 Decompose (break down) the steps needed to solve a problem into a precise sequence of instructions.

Program Development

K-2.AP.12 Develop plans that describe a program's sequence of events, goals, and expected outcomes.

K-2.AP.13 Give attribution when using the ideas and creations of others while developing programs.

K-2.AP.14 Debug (identify and fix) errors in an algorithm or program that includes sequences and simple loops.

K-2.AP.15 Using correct terminology, describe steps taken and choices made during the iterative process of program development.

Impacts of Computing

Culture

K-2.IC.16 Compare how people live and work before and after the implementation or adoption of new computing technology.

Social Interactions

K-2.IC.17 Work respectfully and responsibly with others online.

Safety Law and Ethics

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

K-2.IC.18 Keep login information private and log off of devices appropriately.

Emerging and Future Technologies

K-2.ET.A Explain that the field of emerging technologies will be evolving and rapidly growing.

K-2.ET.B Compare existing and emerging technologies, ideas, and concepts.

K-2.ET.C Describe how emerging technologies are influencing current events at a local and global scale.

K-2.ET.D Predict the positive and negative societal, cultural, and economic impacts that emerging and future technologies may generate.

K-2.ET.E Create new or original work by applying emerging technologies.

Grades 3-5 Standards

Computing Systems

Devices

3-5.CS.01 Describe how internal and external parts of computing devices function to form a system.

Hardware and Software

3-5.CS.02 Model how computer hardware and software work together as a system to accomplish tasks. Discuss task specific embedded systems.

Troubleshooting

3-5.CS.03 Determine potential solutions to solve simple hardware and software problems using common troubleshooting strategies.

Networks and the Internet

Network Communication and Organization

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

3-5.NI.04 Model how information is broken down into smaller pieces, transmitted as packets through multiple devices over networks and the Internet, and reassembled at the destination.

Cybersecurity

3-5.NI.05 Discuss real-world cybersecurity problems and how personal information can be protected.

Data and Analysis

Collection, Visualization, and Transformation

3-5.DA.06 Organize and present collected data visually to highlight relationships and support a claim.

Interference and Models

3-5.DA.07 Use data to highlight or propose cause-and-effect relationships, predict outcomes, or communicate an idea.

Algorithms and Programming

Algorithms

3-5.AP.08 Compare and refine multiple algorithms for the same task and determine which is the most appropriate.

Variables

3-5.AP.09 Create programs that use variables to store and modify data.

Control

3-5.AP.10 Create programs that include sequences, events, loops, and conditionals.

Modularity

# ILLINOIS REGISTER

---

## ILLINOIS STATE BOARD OF EDUCATION

### NOTICE OF PROPOSED AMENDMENT

3-5.AP.11 Decompose (break down) problems into smaller, manageable subproblems to facilitate the program development process.

3-5.AP.12 Modify, remix, or incorporate portions of an existing program into one's own work, to develop something new or add more advanced features.

#### Program Development

3-5.AP.13 Use an iterative process to plan the development of a program by including others' perspectives and considering user preferences.

3-5.AP.14 Observe intellectual property rights and give appropriate attribution when creating or remixing programs.

3-5.AP.15 Test and debug (identify and fix errors) a program or algorithm to ensure it runs as intended.

3-5.AP.16 Take on varying roles, with teacher guidance, when collaborating with peers during the design, implementation, and review stages of program development.

3-5.AP.17 Describe choices made during program development using code comments, presentations, and demonstrations.

#### Impacts of Computing

##### Culture

3-5.IC.18 Discuss computing technologies that have changed the world and express how those technologies influence, and are influenced by, cultural practices.

3-5.IC.19 Brainstorm ways to improve the accessibility and usability of technology products for the diverse needs and wants of users.

##### Social Interactions

3-5.IC.20 Seek diverse perspectives for the purpose of improving computational artifacts.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Safety Law and Ethics

3-5.IC.21 Use public domain or Creative Commons media and refrain from copying or using material created by others without permission.

Emerging and Future Technologies

3-5.ET.A Explain that the field of emerging technologies will be evolving and rapidly growing.

3-5.ET.B Compare existing and emerging technologies, ideas, and concepts.

3-5.ET.C Describe how emerging technologies are influencing current events at a local and global scale.

3-5.ET.D Predict the positive and negative societal, cultural, and economic impacts that emerging and future technologies may generate.

3-5.ET.E Create new or original work by applying emerging technologies.

Grades 6-8 Standards

Computing Systems

Devices

6-8.CS.01 Recommend improvements to the design of computing devices, based on an analysis of how users interact with the devices.

Hardware and Software

6-8.CS.02 Design projects that combine hardware and software components to collect and exchange data.

Troubleshooting

6-8.CS.03 Systematically identify and fix problems with computing devices and their components.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Networks and the Internet

Network Communication and Organization

6-8.NI.04 Model the role of protocols in transmitting data across networks and the Internet.

Cybersecurity

6-8.NI.05 Explain how physical and digital security measures protect electronic information.

6-8.NI.06 Apply multiple methods of encryption to model the secure transmission of information.

Data and Analysis

Storage

6-8.DA.07 Represent data using multiple encoding schemes.

Collection Visualization and Transformation

6-8.DA.08 Collect data using computational tools and transform the data to make it more useful and reliable.

Interference and Models

6-8.DA.09 Refine computational models based on the data they have generated.

6-8.DA.10 Evaluate the misuse of data and impact of distorted outcomes.

Algorithms and Programming

Algorithms

6-8.AP.11 Use flowcharts or pseudocode to address complex problems as algorithms.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Variables

6-8.AP.12 Perform operations on student-created variables that possess descriptive names and represent different data types.

Control

6-8.AP.13 Design and iteratively develop programs that combine control structures, including nested loops and compound conditionals.

Modularity

6-8.AP.14 Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs.

6-8.AP.15 Create procedures with parameters to organize code and make it easier to reuse.

Program Development

6-8.AP.16 Seek and incorporate feedback from team members and users to refine a solution that meets user needs.

6-8.AP.17 Incorporate existing code, media, and libraries into original programs and give attribution.

6-8.AP.18 Systematically test and refine programs using a range of test cases.

6-8.AP.19 Distribute tasks and maintain a project timeline when collaboratively developing computational artifacts.

6-8.AP.20 Document programs to make them easier to follow, test, and debug.

Impacts of Computing

Culture

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

6-8.IC.21 Compare tradeoffs associated with computing technologies that affect people's everyday activities and career options.

6-8.IC.22 Discuss issues of bias and accessibility in the design of existing technologies.

Social Interactions

6-8.IC.23 Collaborate with many contributors through strategies such as crowdsourcing or surveys when creating a computational artifact.

Safety Law and Ethics

6-8.IC.24 Describe tradeoffs between allowing information to be public and keeping information private and secure.

Emerging and Future Technologies

6-8.ET.A Explain that the field of emerging technologies will be evolving and rapidly growing.

6-8.ET.B Compare existing and emerging technologies, ideas, and concepts.

6-8.ET.C Describe how emerging technologies are influencing current events at a local and global scale.

6-8.ET.D Predict the positive and negative societal, cultural, and economic impacts that emerging and future technologies may generate.

6-8.ET.E Create new or original work by applying emerging technologies.

Grades 9-10 Standards

Computing Systems

Devices

9-10.CS.01 Explain how abstractions hide the underlying implementation details of computing systems embedded in everyday objects.



ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Hardware and Software

9-10.CS.02 Compare levels of abstraction and interactions between application software, system software, and hardware layers.

Troubleshooting

9-10.CS.03 Develop guidelines that convey systematic troubleshooting strategies that others can use to identify and fix errors.

Networks and the Internet

Network Communication and Organization

9-10.NI.04 Evaluate the scalability and reliability of networks, by describing the relationship between routers, switches, servers, topology, and addressing.

9-10.NI.05 Give examples to illustrate how sensitive data can be affected by malware and other attacks.

9-10.NI.06 Compare various security measures, considering tradeoffs between the usability and security of a computing system.

Cybersecurity

9-10.NI.07 Recommend security measures to address various scenarios based on factors such as efficiency, feasibility, and ethical impacts.

9-10.NI.08 Explain tradeoffs when selecting and implementing cybersecurity recommendations.

Data and Analysis

Storage

9-10.DA.09 Translate between different bit representations of real-world phenomena, such as characters, numbers, and images.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

9-10.DA.10 Evaluate the tradeoffs in how data elements are organized and stored.

Collection, Visualization, and Transformation

9-10.DA.11 Create interactive data visualizations using software tools to help others better understand real-world phenomena.

Interference and Models

9-10.DA.12 Create computational models that represent the relationships among different elements of data collected from a phenomenon or process.

Algorithms and Programming

Algorithms

9-10.AP.13 Create prototypes that use algorithms to solve computational problems by leveraging prior student knowledge and personal interests.

Variables

9-10.AP.14 Use lists to simplify solutions, generalizing computational problems instead of repeatedly using simple variables.

Control

9-10.AP.15 Justify the selection of specific control structures when tradeoffs involve implementation, readability, and program performance, and explain the benefits and drawbacks of choices made.

9-10.AP.16 Design and iteratively develop computational artifacts for practical intent, personal expression, or to address a societal issue by using events to initiate instructions.

9-10.AP.17 Decompose problems into smaller components through systematic analysis, using constructs such as procedures, modules, or objects.

Modularity

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

9-10.AP.18 Create artifacts by using procedures within a program, combinations of data and procedures, or independent but interrelated programs.

9-10.AP.19 Systematically design and develop programs for broad audiences by incorporating feedback from users.

Program Development

9-10.AP.20 Evaluate licenses that limit or restrict use of computational artifacts when using resources such as libraries.

9-10.AP.21 Evaluate and refine computational artifacts to make them more usable and accessible.

9-10.AP.22 Design and develop computational artifacts working in team roles using collaborative tools.

9-10.AP.23 Document design decisions using text, graphics, presentations, or demonstrations in the development of complex programs.

9-10.AP.24 Describe the characteristics and evaluate the impact of human computer interaction.

Impacts of Computing

Culture

9-10.IC.25 Evaluate the ways computing impacts personal, ethical, social, economic, and cultural practices.

Evaluate the ways digital social interactions impact personal, ethical, social, economic, and cultural practices.

9-10.IC.26 Test and refine computational artifacts to reduce bias and equity deficits.

9-10.IC.27 Demonstrate ways a given algorithm applies to problems across disciplines.

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Social Interactions

9-10.IC.28 Use tools and methods for collaboration on a project to increase connectivity of people in different cultures and career fields.

Safety Law and Ethics

9-10.IC.29 Explain the beneficial and harmful effects that intellectual property laws can have on innovation.

9-10.IC.30 Explain the privacy concerns related to the collection and generation of data through automated processes that may not be evident to users.

9-10.IC.31 Evaluate the social and economic implications of privacy in the context of safety, law, or ethics.

Emerging and Future Technologies

9-10.ET.A Explain that the field of emerging technologies will be evolving and rapidly growing.

9-10.ET.B Compare existing and emerging technologies, ideas, and concepts.

9-10.ET.C Describe how emerging technologies are influencing current events at a local and global scale.

9-10.ET.D Predict the positive and negative societal, cultural, and economic impacts that emerging and future technologies may generate.

9-10.ET.E Create new or original work by applying emerging technologies.

Grades 11-12 Standards

Computing Systems

Devices

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

11-12.CS.01 Compare the characteristics and uses of traditional and emerging computing devices and systems.

Hardware and Software

11-12.CS.02 Categorize the roles of operating system software.

Troubleshooting

11-12.CS.03 Illustrate ways computing systems implement logic, input, and output through hardware components.

Networks and the Internet

Network Communication and Organization

11-12.NI.04 Describe the issues that impact network functionality (e.g., bandwidth, load, delay, topology).

Cybersecurity

11-12.NI.05 Compare ways software developers protect devices and information from unauthorized access.

Data and Analysis

Collection, Visualization, and, Transformation

11-12.DA.06 Use data analysis tools and techniques to identify patterns in data representing complex systems.

11-12.DA.07 Select data collection tools and techniques to generate data sets that support a claim or communicate information.

11-12.DA.08 Analyze the ways in which automated data collection is utilized in society.

Interference and Models

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

11-12.DA.09 Evaluate the ability of models and simulations to test and support the refinement of hypotheses.

Algorithms and Programming

Algorithms

11-12.AP.10 Describe how artificial intelligence drives many software and physical systems.

11-12.AP.11 Implement an artificial intelligence algorithm to play a game against a human opponent or solve a problem.

11-12.AP.12 Use and adapt classic algorithms to solve computational problems.

11-12.AP.13 Evaluate algorithms in terms of their efficiency, correctness, and clarity.

Variables

11-12.AP.14 Compare and contrast fundamental data structures and their uses.

Control

11-12.AP.15 Illustrate the flow of execution of a recursive algorithm.

Modularity

11-12.AP.16 Construct solutions to problems using student-created components, such as procedures, modules, or objects.

11-12.AP.17 Analyze a large-scale computational problem and identify generalizable patterns that can be applied to a solution.

11-12.AP.18 Demonstrate code reuse by creating programming solutions using libraries and application programming interfaces (APIs).

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

Program Development

11-12.AP.19 Plan and develop programs for broad audiences using a software life cycle process.

11-12.AP.20 Demonstrate conversion of source code into machine code using compilers or interpreters.

11-12.AP.21 Explain security issues that might lead to compromised computer programs.

11-12.AP.22 Develop programs for multiple computing platforms.

11-12.AP.23 Use version control systems, integrated development environments, and collaborative tools and practices (code documentation) in a group software project.

11-12.AP.24 Develop and use a series of test cases to verify that a program performs according to its design specifications.

11-12.AP.25 Discuss social, economic, and ethical consequences of malfunctional software and software updates.

11-12.AP.26 Modify an existing program to add additional functionality and discuss intended and unintended implications (e.g., breaking other functionality).

11-12.AP.27 Evaluate key qualities of a program through a process such as a code review.

11-12.AP.28 Compare multiple programming languages and discuss how their features make them suitable for solving different types of problems.

Impacts of Computing

Culture

ILLINOIS REGISTER

---

ILLINOIS STATE BOARD OF EDUCATION

NOTICE OF PROPOSED AMENDMENT

11-12.IC.29 Evaluate computational artifacts to maximize their beneficial effects and minimize harmful effects on society.

11-12.IC.30 Evaluate the impact of equity, access, and influence on the distribution of computing resources in a global society.

11-12.IC.31 Predict how computational innovations that have revolutionized aspects of our culture might evolve.

Safety Law and Ethics

11-12.IC.32 Debate laws and regulations that impact the development and use of software.

Emerging and Future Technologies

11-12.ET.A Explain that the field of emerging technologies will be evolving and rapidly growing.

11-12.ET.B Compare existing and emerging technologies, ideas, and concepts.

11-12.ET.C Describe how emerging technologies are influencing current events at a local and global scale.

11-12.ET.D Predict the positive and negative societal, cultural, and economic impacts that emerging and future technologies may generate.

11-12.ET.E Create new or original work by applying emerging technologies.

(Source: Amended at 45 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)