



ZIIBIWING CENTER

of Anishinabe Culture & Lifeways

THE SAGINAW CHIPPEWA INDIAN TRIBE OF MICHIGAN

Plant Booklet Curriculum Tie-Ins

Special thanks to the Michigan Department of Education for allowing us to publish these curriculum points on our Ziibiwing Center website. The complete MDE standards and curriculum documents may be accessed at:
<http://www.michigan.gov/mde/0,1607,7-140-28753---,00.html>

Kindergarten

Social Studies

K-G5.0.1 → Describe ways people use the environment to meet human needs and wants (e.g., food, shelter, clothing).

Science

E.SE.E.1 → **Earth Materials-** Earth materials that occur in nature include rocks, minerals, soils, water, and the gases of the atmosphere. Some Earth materials have properties which sustain plant and animal life.

E.SE.00.12 → Describe how earth materials contribute to the growth of plant and animal life.

English Language Arts

R.IT.00.04 → Students will respond to individual and multiple texts by finding evidence, discussing, illustrating, and/or writing to reflect, make meaning, and make connections.

L.CN.00.01 → Students will understand and follow one- and two-step directions.

L.CN.00.02 → Students will ask appropriate questions during a presentation or report.

L.CN.00.03 → Students will listen to or view knowledgeably while demonstrating appropriate social skills of audience behaviors (e.g., eye contact, attentive, supportive) in small and large group settings; listen to each other, interact, and respond appropriately.

Arts Education

ART.VA.I.K.2 → Work with materials and tools safely with environmental awareness.

ART.VA.II.K.3 → Participate in discussions of the aspects of environment, family, and home in the creation of art.

ART.VA.V.K.4 → Explore connections between the visual arts and other curriculum.

1st Grade

Social Studies

1-G4.0.1 → Use components of culture (e.g. foods, language, religion, traditions) to describe diversity in family life.

Science

None

English Language Arts

R.WS.01.08 → Students will use syntactic and semantic clues, including picture clues, word chunks, and the structure of book language to determine the meaning of words in grade-appropriate texts.

L.CN.01.01 → Students will understand, restate and follow two-step directions.

L.CN.01.02 → Students will ask appropriate questions for clarification and understanding during a presentation or report.

L.CN.01.03 → Students will listen to or view knowledgeably while demonstrating appropriate social skills of audience behaviors (e.g., eye contact, attentive, supportive) in small and large group settings; listen to the comments of a peer and respond on topic adding a connected idea.

Arts Education

ART.VA.I.1.2 → Demonstrate the responsible use of project materials with environmental awareness.

ART.VA.V.1.1 → Recognize art forms created for functional and recreational purposes.

2nd Grade

Social Studies

2-G4.0.3→ Use components of culture (e.g., foods, language, religion, traditions) to describe diversity in the local community.

Science

L.OL.E.1→ **Life Requirements-** Organisms have basic needs. Animals and plants need air, water, and food. Plants also require light. Plants and animals use food as a source of energy and as a source of building material for growth and repair.

L.OL.02.14→ Identify the needs of plants.

L.OL.E.2→ **Life Cycles-** Plants and animals have life cycles. Both plants and animals begin life and develop into adults, reproduce, and eventually die. The details of this life cycle are different for different organisms.

L.OL.02.22→ Describe the life cycle of familiar flowering plants including the following stages: seed, plant, flower, and fruit.

English Language Arts

R.IT.02.04→ Students will respond to individual and multiple texts by finding evidence, discussing, illustrating, and/or writing to reflect, make connections, take a position, and/or show understanding.

L.CN.02.01 → Students will understand, restate and follow three- and four-step directions.

L.CN.02.02 → Students will ask appropriate questions for clarification and understanding during a presentation or report.

L.CN.02.03 → Students will listen to or view knowledgeably while demonstrating appropriate social skills of audience behavior (e.g., eye contact, attentive, supportive) in small and large group settings; listen to the comments of peers and respond on topic adding a connected idea.

Arts Education

ART.VA.I.2.2→ Demonstrate the safe use of a variety of materials, tools, and processes with environmental awareness.

ART.VA.III.2.2→ Recognize that art is created to fulfill personal and/or social needs.

3rd Grade

Social Studies

3-G4.0.4 → Use data and current information about the Anishinaabeg and other American Indians living in Michigan today to describe the cultural aspects of modern American Indian life; give an example of how another cultural group in Michigan today has preserved and built upon its cultural heritage.

Science

L.OL.E.4 → **Classification-** Organisms can be classified on the basis of observable characteristics.

L.OL.03.41 → Classify plants on the basis of observable physical characteristics (roots, leaves, stems, and flowers).

English Language Arts

L.CN.03.01 → Students will ask substantive questions of the speaker that will provide additional elaboration and details

L.CN.03.02 → Students will listen to or view knowledgeably while demonstrating appropriate social skills of audience behaviors (e.g., eye contact, attentive, supportive) in small and large group settings.

Arts Education

ART.VA.I.3.2 → Demonstrate control and safe use of a variety of art tools with environmental awareness.

ART.VA.V.3.1 → Describe how art can be found in various environments.

4th Grade

Social Studies

None

Science

L.OL.E.1 → **Life Requirements-** Organisms have basic needs. Animals and plants need air, water, and food. Plants also require light. Plants and animals use food as a source of energy and as a source of building material for growth and repair.

L.OL.04.15 → Determine that plants require air, water, light, and a source of energy and building material for growth and repair.

English Language Arts

L.CN.04.01 → Students will ask substantive questions of the speaker that will provide additional elaboration and details

L.CN.04.02 → Students will listen to or view critically while demonstrating appropriate social skills of audience behaviors (e.g., eye contact, attentive, supportive) in small and large group settings.

Arts Education

ART.VA.I.4.2 → Demonstrate control and the safe use of technologies with environmental awareness.

ART.VA.III.4.2 → Recognize that art may serve functional purposes, be purely decorative, or serve multiple purposes.

ART.VA.III.4.5 → Analyze how art can be a reflection of society and a response to real world experiences.

5th Grade

Social Studies

K1.3 → Understand the diversity of human beings and human cultures.

Science

None

English Language Arts

L.CN.05.01 → Students will ask substantive questions based on the argument(s) presented by a speaker when listening to or viewing a variety of presentations.

L.CN.05.02 → Students will listen to or view critically while demonstrating appropriate social skills of audience behaviors (e.g., eye contact, attentive, supportive) in small and large group settings.

Arts Education

ART.VA.I.5.2 → Use art materials and tools safely and responsibly with environmental awareness.

ART.VA.III.5.2 → Identify and defend various purposes for creating works of visual art.

6th Grade

Social Studies

K1.3→ Understand the diversity of human beings and human cultures.

6- G2.2.1→ Describe human characteristics of the region under study (including languages, religion, economic system, governmental system, cultural traditions).

Science

None

English Language Arts

L.CN.06.02 → Students will listen to or view critically while demonstrating appropriate social skills of audience behaviors (e.g., eye contact, attentive, supportive); critically examine the verbal and non-verbal strategies during speeches and presentations.

Arts Education

ART.VA.V.6.5→ Describe ways in which the principles and subject matter of other disciplines taught in school are interrelated with the visual arts at a developing level.

7th Grade

Social Studies

K1.3→ Understand the diversity of human beings and human cultures.

Science

None

English Language Arts

L.CN.07.02 → Students will listen to or view critically while demonstrating appropriate social skills of audience behaviors (e.g., eye contact, attentive, supportive); critically examine the verbal and non-verbal strategies during speeches and presentations.

Arts Education

ART.VA.I.7.2→ Understand the concept of proper use of art materials and using tools safely and responsibly at an emerging level.

ART.VA.V.7.5 → Analyze and describe ways in which the principles and subject matter of other disciplines taught in school are interrelated with the visual arts at an emerging level.

8th Grade

Social Studies

K1.3 → Understand the diversity of human beings and human cultures.

Science

None

English Language Arts

L.CN.08.02 → Students will listen to or view critically while demonstrating appropriate social skills of audience behaviors (e.g., eye contact, attentive, supportive); critically examine the verbal and non-verbal strategies during speeches and presentations.

Arts Education

ART.VA.I.8.2 → Appropriately apply the concept of proper use of art materials and using tools safely and responsibly.

ART.VA.V.8.5 → Effectively analyze and describe ways in which the principles and subject matter of other disciplines taught in school are interrelated with the visual arts.

High School

Social Studies

K1.5 → Understand the diversity of human beings and human cultures.

Science

None

English Language Arts

CE.2.1.7 → Demonstrate understanding of written, spoken, or visual information by restating, paraphrasing, summarizing, critiquing, or composing a personal response; distinguish between a summary and a critique.

- CE.2.1.10**→ Listen to and view speeches, presentations, and multimedia works to identify and respond thoughtfully to key ideas, significant details, logical organization, fact and opinion, and propaganda.
- CE.2.1.11**→ Demonstrate appropriate social skills of audience, group discussion, or work team behavior by listening attentively and with civility to the ideas of others, gaining the floor in respectful ways, posing appropriate questions, and tolerating ambiguity and lack of consensus.
- CE.2.1.12**→ Use a variety of strategies to enhance listening comprehension (e.g. monitor message for clarity and understanding, ask relevant questions, provide verbal and non-verbal feedback, notice cues such as change of pace or emphasis that indicate a new point is about to be made; and take notes to organize essential information).
- CE.2.2.3**→ Interpret the meaning of written, spoken, and visual texts by drawing on different cultural, theoretical, and critical perspectives.

Arts Education

ART.VA.I.HS.5→ Responsibly and safely manage materials and tools.