Applicable State of Michigan Grade Level Content Expectations (GLCEs)

Below is a list of content standards, statements, and grade level expectations applicable to the program “Seasonal Nature Exploration.”

Grade Levels 2-7 (program can be adapted for K-Grade 1):
Note: No GLCE Science Standards are available for Grade 8

Michigan Grade Level Content Expectations: Science

- **Discipline 1: Science Processes**
  - **K-7 Standard: Inquiry Process (IP)**
    - **Grades 2-4** Expectations:
      - S.IP.02.11, S.IP.03.11 & S.IP.04.11 Make purposeful observation of the natural world using the appropriate senses.
      - S.IP.02.12, S.IP.03.12 & S.IP.04.12 Generate questions based on observations.
      - S.IP.02.13, S.IP.03.13 & S.IP.04.13 Plan and conduct simple and fair investigations.
    - **Grades 5-7** Expectations:
      - S.IP.05.11, S.IP.06.11 & S.IP.07.11 Generate scientific questions based on observations, investigations, and research.
  - **K-7 Standard: Inquiry Analysis and Communication (IA)**
    - **Grade 2** Expectation:
      - S.IA.02.12 Share ideas about science through purposeful conversation.
    - **Grades 3-4** Expectation:
      - S.IA.03.12 & S.IA.04.12 Share ideas about science through purposeful conversation in collaborative groups.
    - **Grades 5-7** Expectations:
      - S.IA.05.13, S.IA.06.13 & S.IA.07.13 Communicate and defend findings of observations and investigations using evidence.
  - **K-7 Standard: Reflection and Social Implications (RS)**
    - **Grades 2-7** Expectation:
      - S.RS.02.11, S.RS.03.11, S.RS.04.11, S.RS.05.15, S.RS.06.15 & S.RS.07.15 Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.

Seasonal Nature Walk Programs can reflect specific GLCE Science Standards and Expectations on a variety of scientific topics for different grade levels. Teachers are encouraged to provide program staff with information on the topics being taught in the classroom. In this way, the Environmental Interpretive naturalists can ensure the program reflects current subject material, integrating concepts into the natural areas study.