

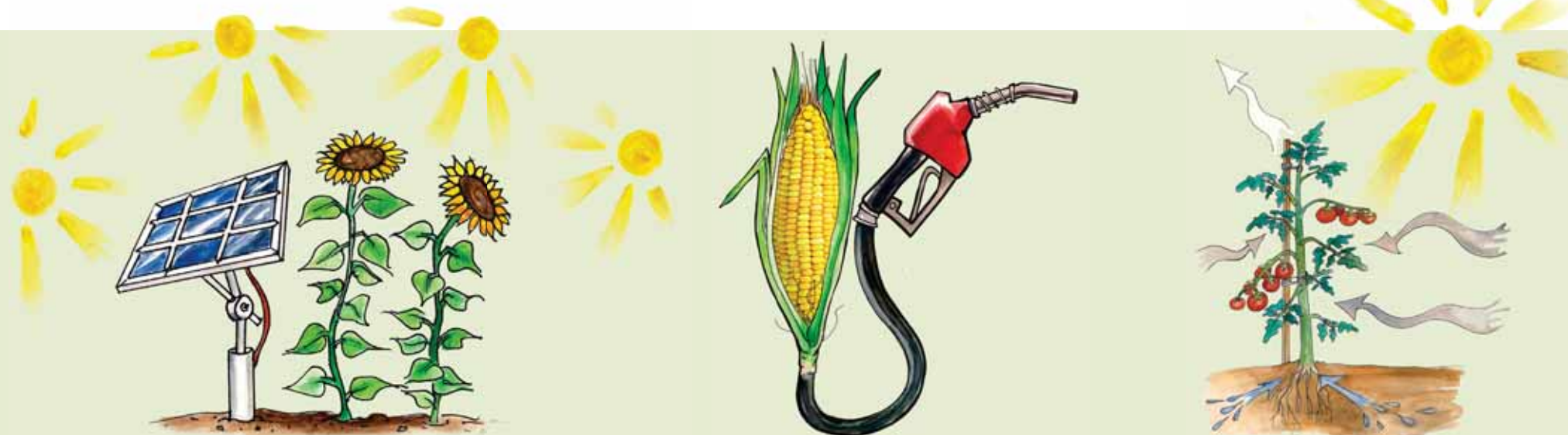


Kindergarten, Cluster 3: Paper

Cross Curriculum Activities Growing, harvesting, eating and transplanting Sunflower greens.

Lesson Plan 4 - Students make environmentally friendly paper pots with the PotMaker using recycled newspaper.

- K-3-04 - Observe and compare characteristics of different kinds of paper.
 - GLO: C2, D3
- K-3-06 - Explore to determine an appropriate kind of paper for a particular task.
 - GLO: B1, C3
- K-3-07 - Use the design process to construct a paper product for a particular use.
 - GLO: C3



Lesson Excerpt Grade 4-1-06, 4-1-10

Investigate how technological developments often mirror physical adaptations

Students will grow sunflowers indoors and harvest at micro green stage to eat. Some of the sunflower plants will be grown inside to transplant in the school garden for observation. Students can experience the concept of heliotropism observing sunflowers in the school garden and how each leaf gets maximum share of the sunlight to optimize photosynthesis. A relationship between solar panels collecting sunlight and plants illustrates how energy is collected and converted.

- 4-1-06
- Energy transfers in the web via photosynthesis
- 4-1-10

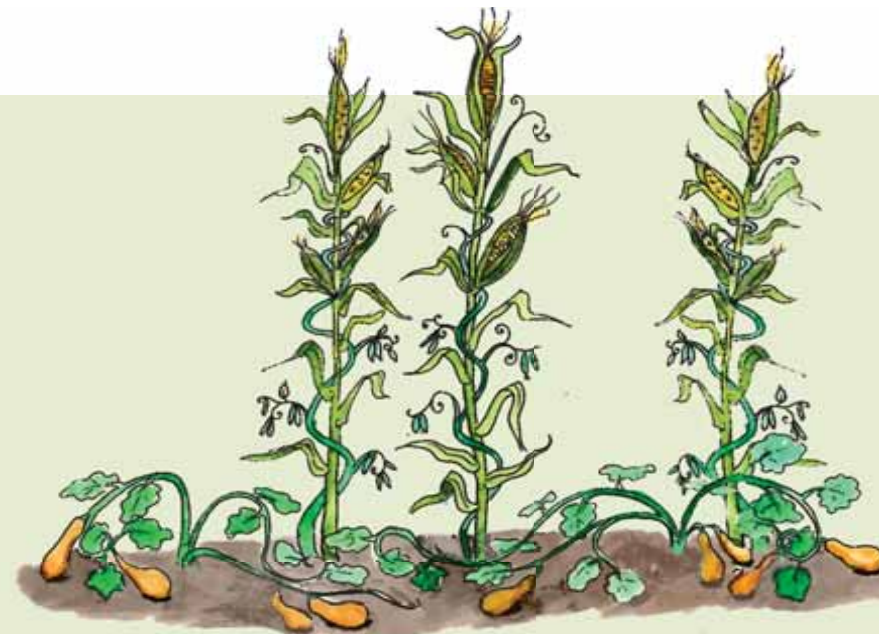
The Legend of the Three Sisters

Three Sisters is an Aboriginal Legend that teaches the principles of companion planting practiced by First Nations. The theme of the Three Sisters is learning to live together in peace and harmony. The Three Sisters helps us understand the importance of the physical and spiritual well-being of people / communities.

Three Sister Garden uses seeds that originate from the Iroquois and Mandan Tribes.

K-12-Cross Curriculum Multi-Disciplinary

Language Arts (Storytelling), science, social studies , arts, health education and sustainability



Supporting Core Curriculum Outcomes as well as Sustainability, Food security, Nutrition and Healthy Living

A "Learning Garden" is an extension of
the indoor classroom that provides many
benefits beyond traditional learning.

Research by the American Horticultural Therapy Association has demonstrated that spending time in gardens and the act of gardening itself can have a positive impact on physical and mental health. Noted benefits include decrease in stress and anxiety, alleviation of depression, along with increased feelings of calm and relaxation.

The act of caring for and nurturing plants (living organisms) is helpful to students who maybe facing difficulties. Our Learning Garden can be a valuable resource in providing an outdoor learning environment to assist students overcome various challenges.

Using recycled and repurposed materials is a cost effective strategy to consider in developing "Learning Gardens."

We would be pleased to share ideas and thoughts with your school on designing / developing Our Learning Garden.

For further information, contact:
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