What is the problem?

Each fall, hundreds of millions of monarch butterflies migrate from the United States and Canada to mountains in central Mexico where they wait out the winter until conditions favor a return flight in the spring.

The monarch migration is truly one of the world's greatest natural wonders yet it is threatened by habitat loss throughout areas in the united States and Canada.

How can we help?

We can help by creating 'Monarch Waystations' in home gardens, at schools, businesses, parks, zoos, nature centers, and along roadsides.

Monarch Waystations are places that provide resources necessary for monarch butterflies to complete their migration successfully and allow them to produce successive generations.

What are the Requirements of a waystation?
monarchwatch.org

seasonal plants that attract monarchs

maintenance and control

nectar plants

host plants

well drained soil

avoid pesticides

6 hours of sunlight

deep watering

weeding and mulching

Students will grow their plants the following way :

Classroom lighting

Hydroponic towers

Greenhouse

Raised beds

Under a grow light

Students will use the
Engineer Design Process to create :

Ask: What data did you collect? How can this data be represented?

Imagine: How will you organize and represent the data your group collected while growing the host and nectar plants?

Plan: How will you organize and represent the data your group collected while growing the host and nectar plants?

Create: Use the computer to create graphs and charts using the data your group collected while growing host and nectar plants.

Test and Improve: Test and improve the graph and charts as needed to display the collected data.

Share: Share the collected data to the other second grade students.

Students will use the Engineer Design Process to:

Ask: What information do you need to share with the other second grade classes about your plants, how you grew them, the data you collected, and the results? What program will you use to create your presentation?

Imagine: How will you arrange your information?

Plan: As a group, how will you arrange your information.

Create: As a group, use the computer to create a presentation to share with the other second grade classes.

Test and Improve: Test and improve your presentation.

Share: Share your presentation to the other second grade students.

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