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### European Roots - Potagers



- separated distinct areas into garden rooms
- plantings very symmetrical and geometric
- relied on raised beds and pathways

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### Gardening in the New World

Jamestown

- brought seeds from England
- many relied on Native Americans and their crops



Williamsburg

- backyards with orchards and vegetable gardens
- movement towards separation of food and flowers
- many formal plantings with hedges



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### Food from afar

Mechanization and Westward expansion moved production away from home



Urban populations expanded – number of home gardens decreased as land was replaced with buildings



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**City Beautiful Movement**

From 1860-1910 US population jumped from 31.4 million to 91.9 million. Urban centers housed 46% of the population.

Cities deteriorated, lower classes lived in squalor, upper classes moved.

Creation of beauty meant to improve conditions.



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**Potato Patches**

Detroit mayor asked owners of vacant lots to allow unemployed to grow vegetables

Gardens greatly reduced welfare spending

\$3,000 investment resulted in \$12,000 worth of vegetables and potatoes



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**WWI Victory Gardens**

Food shortage in Europe increased exports

U.S. prices rose, community gardens sprang up in response

Number of gardens almost doubled from '17 - '18



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**WWII Victory Gardens**

Made commercial produce more available to the Armed Forces

Reduced demand for materials used in food processing and canning

Enhanced vitality and morale of Americans on the home front

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**Post-War Suburban Sprawl**

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**Modern Movements**

- Reduce dependence on chemical inputs
- Better utilize available materials
- Grow more food in less space
- Conserve water
- Enhance aesthetic value of property



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**Community Gardens**



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**Permaculture**



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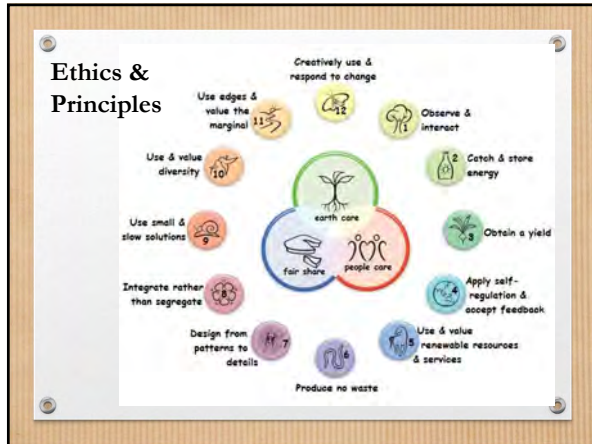
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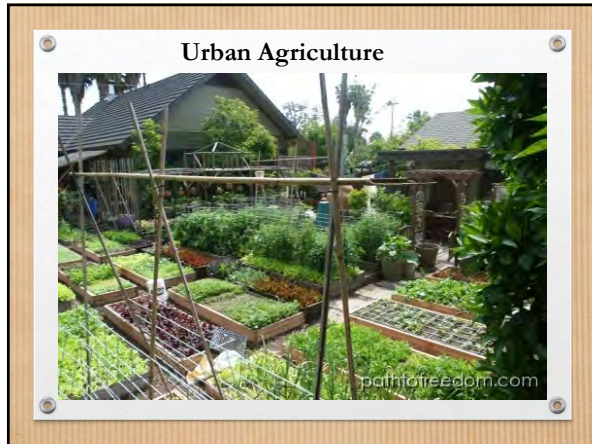
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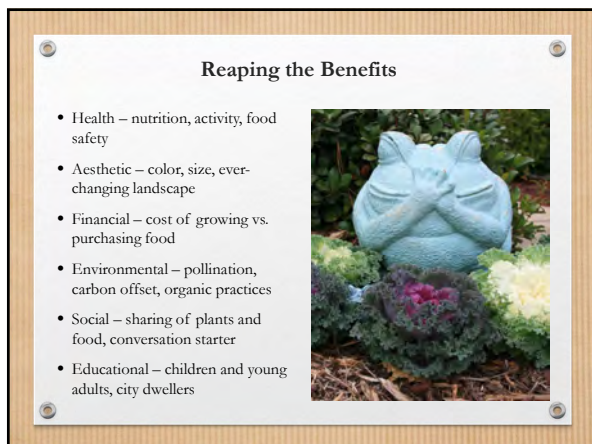
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### Design Elements

<u>Hardscaping</u>	<u>Softscaping</u>
<ul style="list-style-type: none"><li>• Rocks</li><li>• Paths</li><li>• Walls</li><li>• Ornaments</li><li>• Seating</li><li>• Patios/Decks</li><li>• Water features</li><li>• Fences</li><li>• Arbors</li></ul>	<ul style="list-style-type: none"><li>• Soil</li><li>• Grass</li><li>• Trees</li><li>• Shrubs</li><li>• Vines</li><li>• Perennials</li><li>• Annuals</li><li>• Moss</li></ul>



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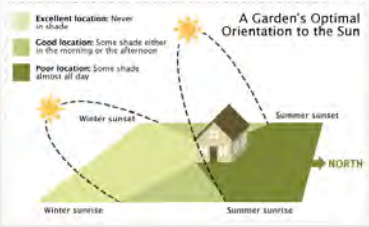
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### Site Evaluation

- Light
- Soil
- Water
- Space
- Access



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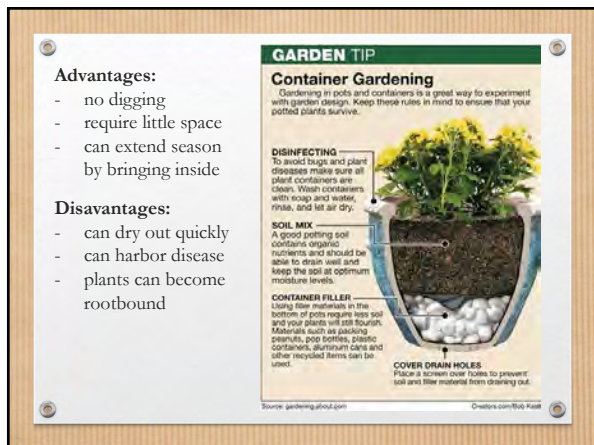
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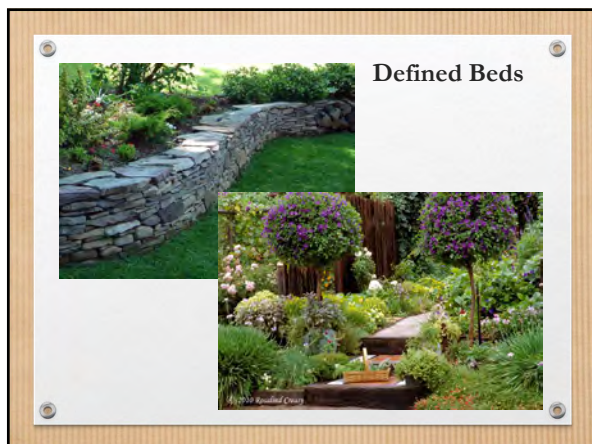
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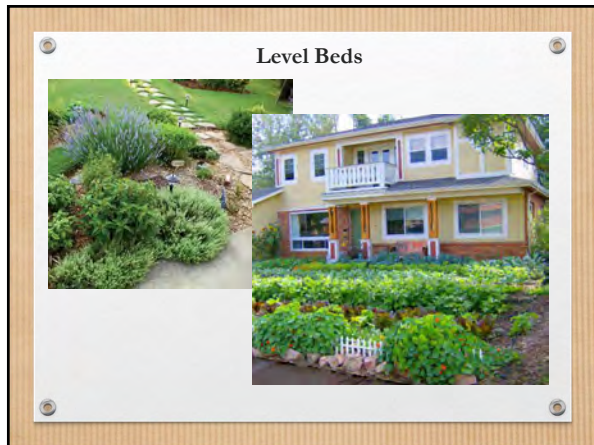
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### Companion Planting

The planting of different crops in proximity for pest control, pollination, providing habitat for beneficial creatures, maximizing use of space, and to otherwise increase crop productivity



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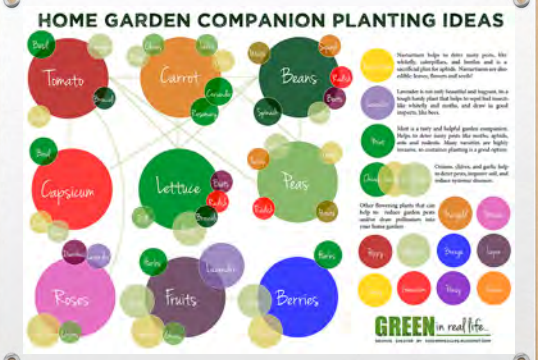
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### HOME GARDEN COMPANION PLANTING IDEAS



Strawberries like to share many pests, like aphids, caterpillars, and borers and is a beneficial plant to sprig. Strawberries are also edible, berries, flowers and seeds!

Lettuce is not well tolerated and requires the a tough leafy plant that helps to repel flea-beetle, aphids and snails, and does in good company with beans.

Plant a busy and helpful garden companion. Helps to deter many pests like moths, aphids, ants and beetles. Also, attracts and helps maintain the companion planting in a good light.

Tomato, alfalfa and garlic help to deter pests, tomato, and other common diseases.

Other flowering plants that can help to reduce garden pests include: dill, nasturtium, and other plants.

**GREEN** in real life  
Sustainable Gardening for Homeowners

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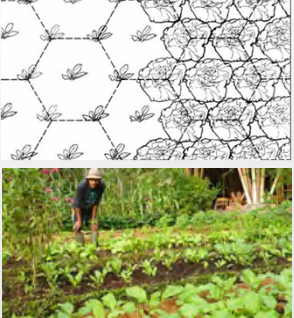
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### Biointensive Gardening

Plants are spaced closely in double-dug raised beds to maximize growing area and reduce the need for fertilizer, mulch, and water



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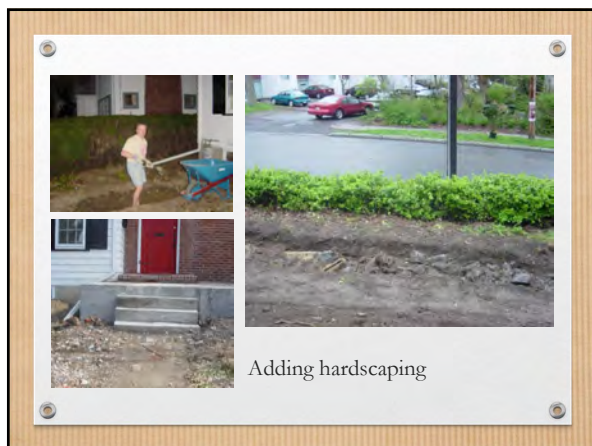
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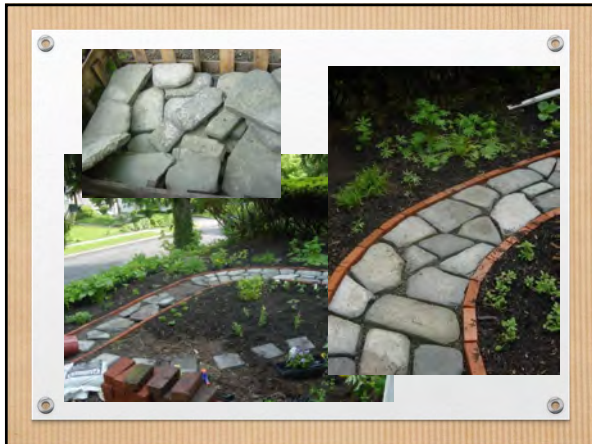
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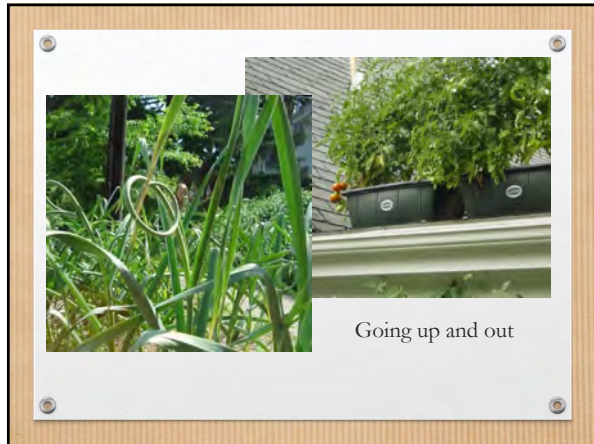
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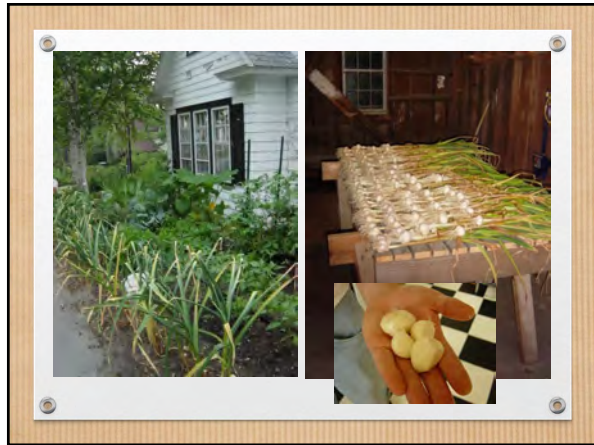
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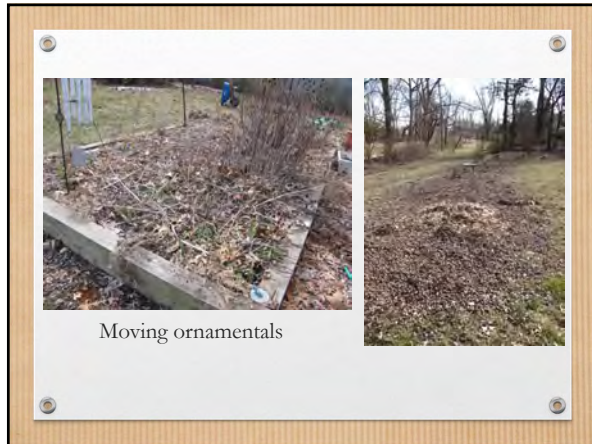
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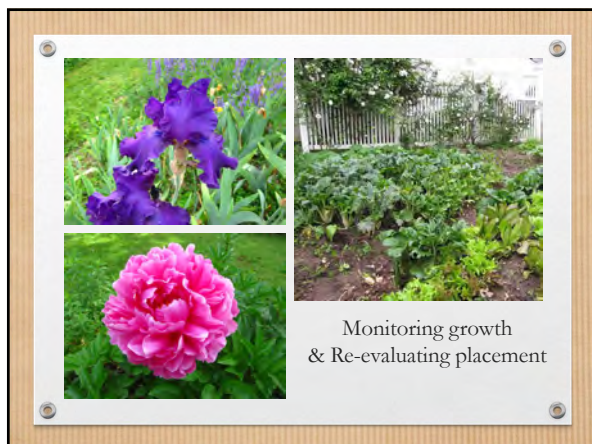
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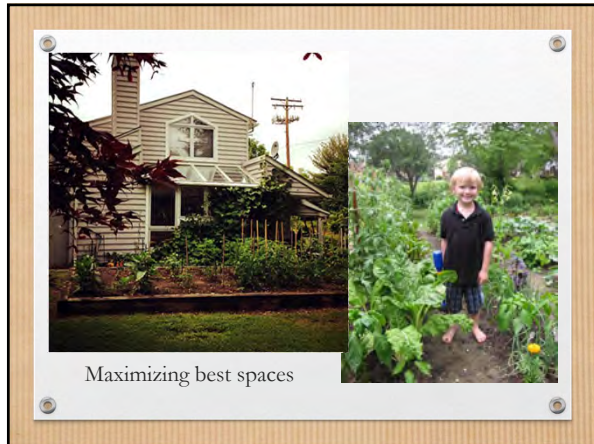
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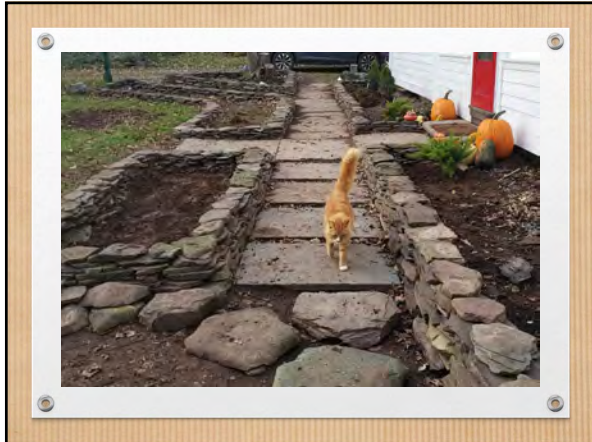
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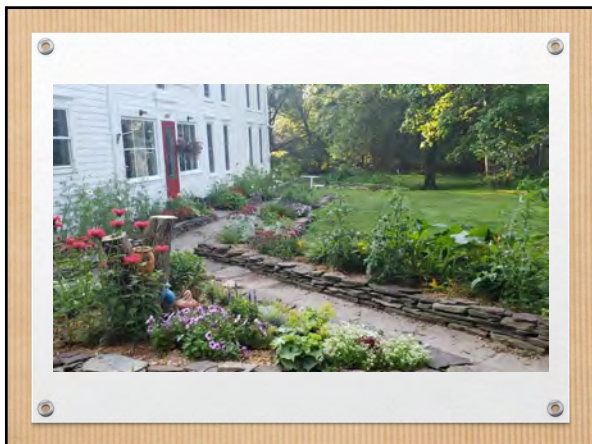
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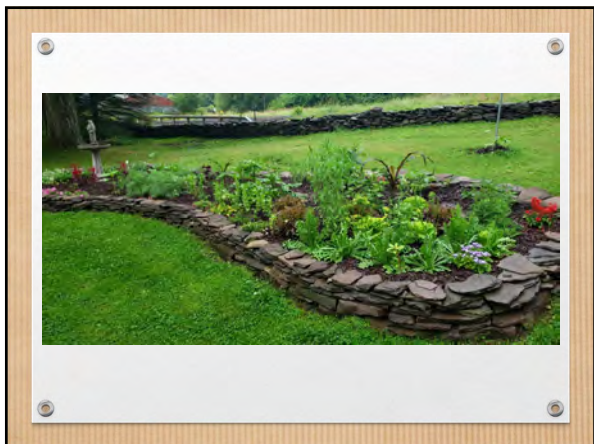
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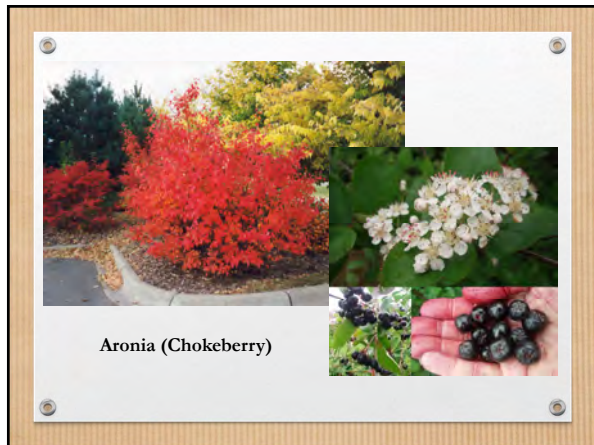
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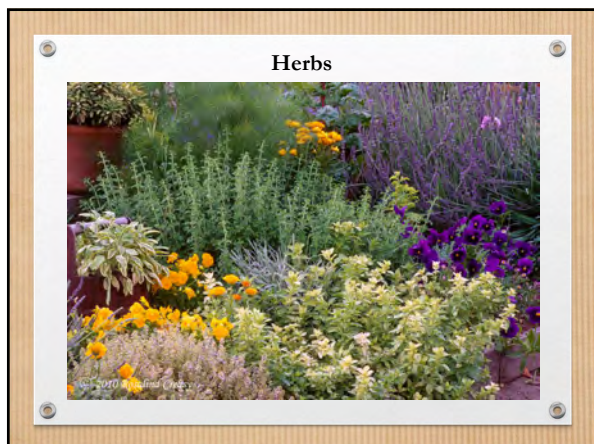
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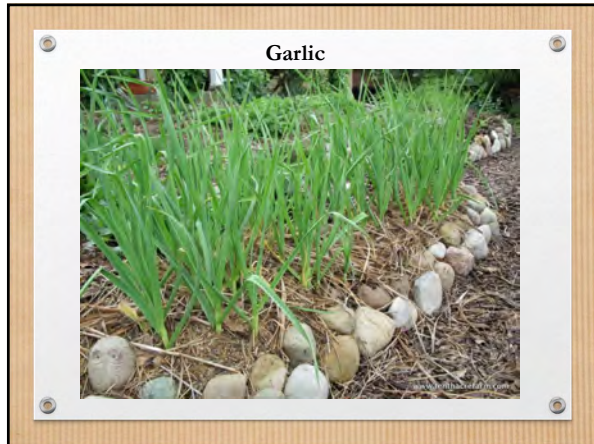
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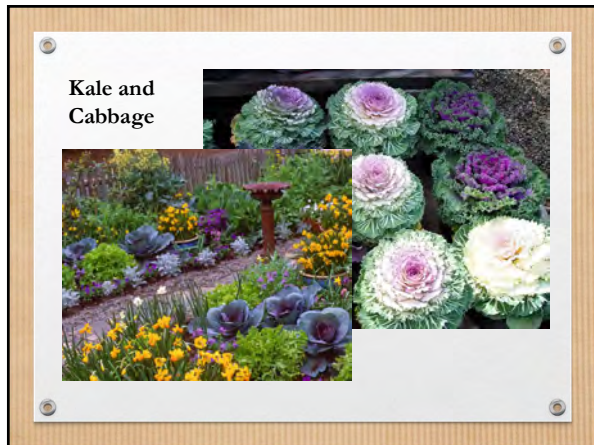
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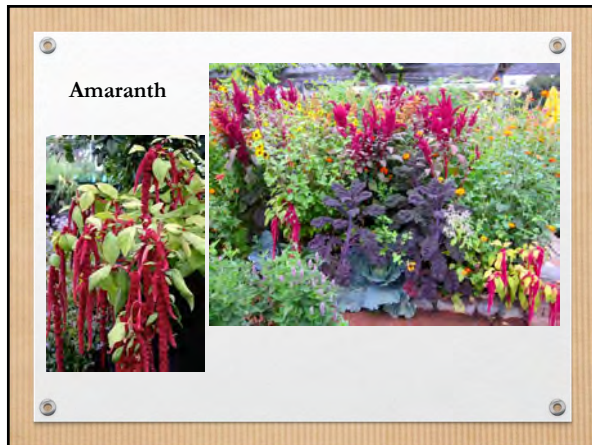
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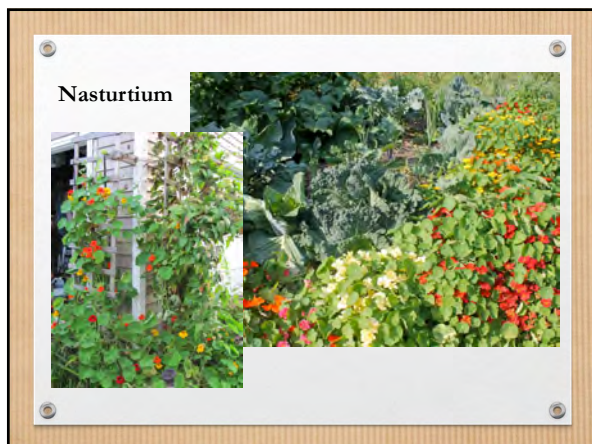
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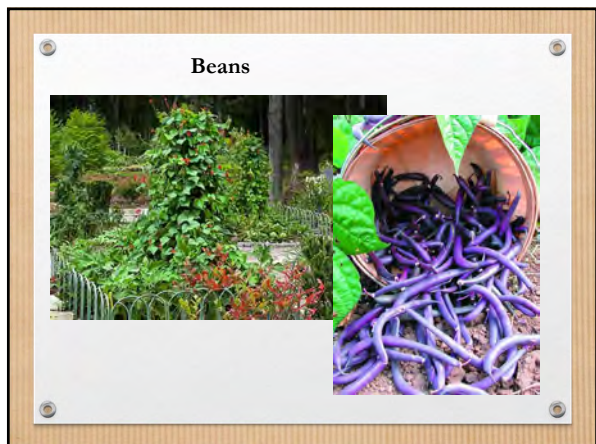
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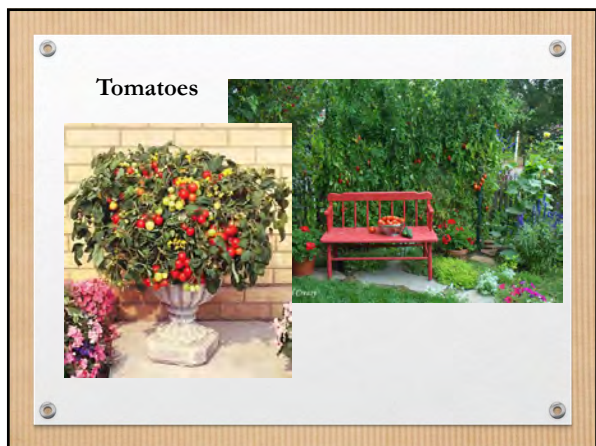
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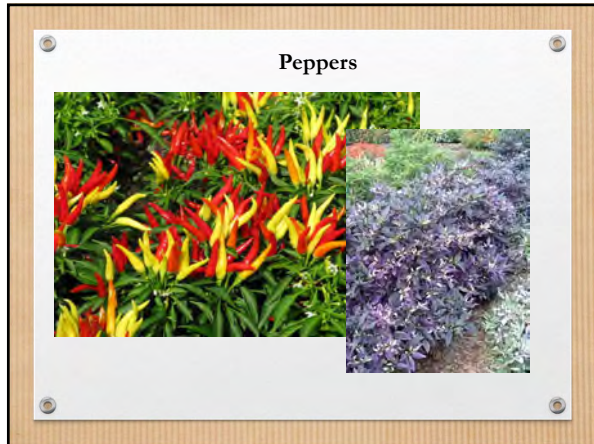
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