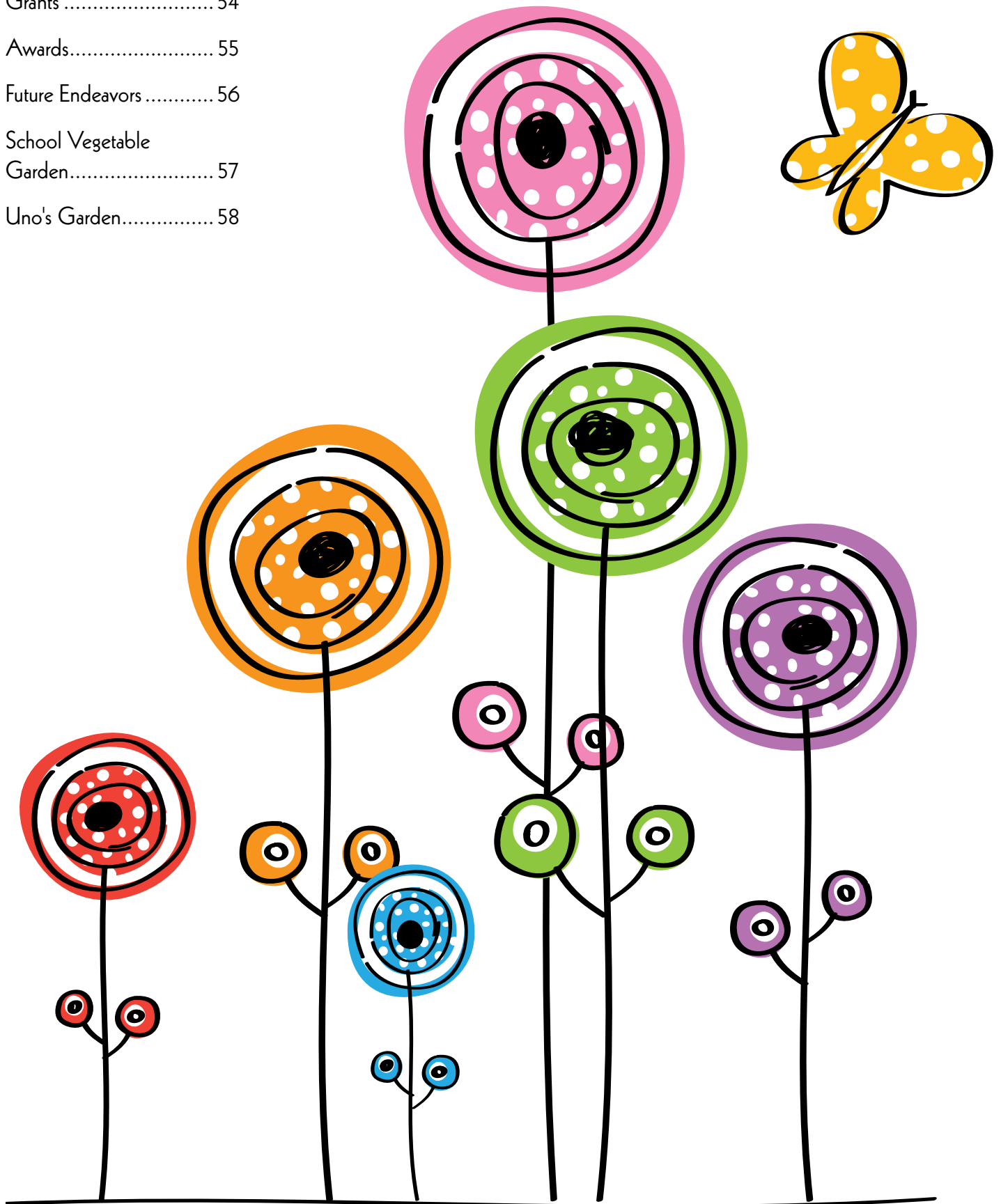


Young people
increasingly
are isolated
from the land
and deprived
of the joys and
responsibilities
it teaches.
— Alice Waters



Appendix

Grants	54
Awards.....	55
Future Endeavors	56
School Vegetable Garden.....	57
Uno's Garden.....	58



Grants

Each year 400 schools and youth groups that are starting or continuing garden programs are awarded tools, seeds, garden products and educational materials. Many national and regional organizations provide grants that support schoolyard garden projects. Grants vary widely in terms of the amount of their awards, who is eligible to apply and the types of projects they support.

- **Annie's Grants for Gardens** -

We offer a limited number of small grants to community gardens, school gardens and other educational programs that connect children directly to gardening. These funds can be used to buy gardening tools, seeds or other needed supplies.

- **Building Healthy Communities Grant Program** -

Grants, up to \$2,500. Landscaping, planting of native trees and improvement of green spaces.

- **Captain Planet Foundation Grants** -

Grants range from \$250 to \$2,500. Projects must promote understanding of environmental issues, focus on hands-on activities, involve children and young adults ages 6 to 18.

- **EPA Environmental Education Grants** -

More than 75 percent of the grants awarded by this program receive less than \$15,000. Enhance the public's awareness, knowledge, and skills to help people make informed decisions that affect environmental quality.

- **Brita FilterForGood Eco-Challenge** -

We're looking for passionate minds to turn green ideas into action. Enter and you could receive one of fifty \$1,000 grants to make your school more sustainable.

- **Fiskars' Project Orange Thumb® Garden Grants** -

10 will receive \$5,000 in cash and tools.

- **The Fruit Tree Planting Foundation** -

Our "Fruit Tree 101" program creates outdoor edible orchard classrooms at public schools of all levels, across the country, to provide generations of students with environmental education opportunities and a source of organic fruit for improved school lunch nutrition.

- **Lowe's Outdoor Classroom Grant Program** -

Grants of up to \$5000 will be awarded. In some cases, grants for up to \$25,000 may be awarded to schools or school districts with major outdoor classroom projects.

- **Operation Green Plant** -

Free Seeds and Bulbs!

- **Seeds for Education** - Grants for School Gardens and Community Nature Areas

- **Wildlife Forever Challenge Grants Program** -

The sponsor provides grants targeted towards educational projects. Grants typically range from \$1,000 to \$10,000.

- **Wish You Well Foundation** -

The Wish You Well Foundation's mission is "supporting family literacy in the United States by fostering and promoting the development and expansion of new and existing literacy and educational programs."

- **Youth Garden Grants Program** -

Presented by the National Gardening Association and sponsored by The Home Depot. 100 grants are available for child-centered garden programs.

DonorsChoose.org

An online charity that makes it easy for anyone to help students in need. We are here to provide an avenue for public school teachers to submit project requests for the specific materials their students need to learn. As our name implies, donors choose which projects to support. Once a project is funded, we deliver the materials directly to the school. In return, teachers submit photos of the project in use and thank-you notes from students, which we then send to the project's donors.

Awards

Several programs honor the innovative curriculum and instruction of individual teachers. Like traditional grants, many award programs have a special focus, whether they are acknowledging the work of a teacher in engaging students in environmental issues, or improving the quality of math instruction through an innovative series of activities. The monies these award programs pay out are generally intended towards reinvestment in the school, students and/or professional development opportunities for the teacher or staff.

- **AHS National Awards Programs** -

The American Horticultural Society's Great American Gardeners Awards Program recognizes individuals and institutions that have made significant contributions to American horticulture. If you have a "horticultural hero" – a memorable professor, a favorite garden writer, or the driving force behind an incredible community project, for example – consider submitting a nomination for this distinction.

- **Awards for Innovative and Progressive Thinking in Education** -

Maximum Award: \$27,000. Projects that improve student learning.

- **Healthy Sprouts Awards** -

Gardener's Supply Co. gift certificates of \$500 or \$200 in seeds, taste education and nutrition lessons.

- **ING Unsung Heroes Award** -

Are you an educator with a class project that is short on funding but long on potential? Do you know a teacher looking for grant dollars? ING Unsung Heroes® could help you turn great ideas into reality for students. Each year, 100 educators are selected to receive \$2,000 to help fund their innovative class projects. Three of those are chosen to receive the top awards of an additional \$5,000, \$10,000 and \$25,000.

- **Live Monarch Foundation Educator Award** -

The Live Monarch Foundation Educator Outreach Program is providing funding for 4,000 K-12 teachers and home schooling parents throughout the United States to enroll into the National Campaign: to bring Monarch Butterflies into the classroom. This program provides education and materials to strengthen the Monarch's 3,000 mile migratory route within North America by creating self sustaining butterfly gardens and refuges.

- **Mantis Awards** -

The National Gardening Association Mantis Awards provide in-kind grants to educational projects that actively engage kids in gardens.

- **Nature Hills Nursery Green America Awards** -

\$5,000 in plants to community groups and organizations

- **SeaWorld & Busch Gardens Environmental Excellence Awards** -

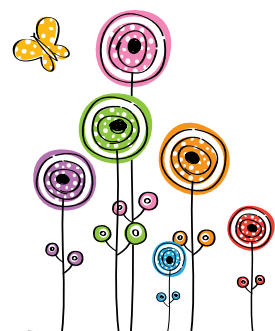
Provides school and community groups with a monetary award, national recognition and some well-deserved fun at one of our parks. Eight winning groups are selected each year to win \$10,000. One environmental educator/leader each year receives \$5,000.

- **Subaru Healthy Sprouts Award** -

Based on the demonstrated relationship between the garden program and education related to environmental, nutrition and hunger issues in the U.S.

- **The Scott's Company Give Back to Grow Awards** -

Honors individuals who give back to their communities through gardening. One winner and two finalists are awarded in each of four categories, winning \$5000 and \$2500 respectively. Awarded through a nomination procedure.



Future Endeavors

Making friends and participating in social groups is an important part of child development. Childhood friendships are based on common interests and mutual liking. The ability to maintain close friendships helps support overall functioning and mental well-being. Children who are rejected by their peers often experience low self-esteem, sadness, loneliness and social discontent. Fortunately, socialization is a skill that can be learned. The garden can assist children in making friends by building social skills when participating in peer groups and activities.

- **Junior Master Gardener Group** -

The Level One Junior Master Gardener curriculum is designed for grades 3-5. The program includes a study of life-skills and career exploration then culminates the JMG experience with service learning projects and recognizes their efforts with certification as a Junior Master Gardener.

- **Earthworm Project** -

Taking out the garbage has never been so fun! The Can-O-Worms™ worm farm is fun, easy to use and it gives you free plant food. By reducing the amount of waste you now throw away, you can contribute to the reduction of garbage in your community. Did you know that just 1 pound of earthworms can convert ½ pound of food scraps into valuable worm castings EVERY DAY?

- **Texas 4-H and Youth Development** -

4-H gives them a chance to pursue their own interests - from photography to computers, from building rockets to raising sheep. In 4-H clubs, they serve as officers and learn to conduct meetings, handle club funds, and facilitate group decision-making. In a growing number of communities, 4-H youth serve as youth representatives in municipal or county government or as members of Teen Courts. They give back to their communities. 4-H members get involved in volunteer projects to protect the environment, mentor younger children and help people who are less fortunate.

- **Recycling Rangers** -

Create a group of students from grades 3-5 to pick-up & empty recycling bins school-wide twice a week. These students can read Earth tips on these days over the announcements along with a call for more recycling Rangers to pick up the cause.

- **Environmental Club** -

Start clubs for 1st-3rd graders and 4th-5th graders to meet every other week to study gardening/composting, packaging, the 4 R's, solar energy and other aspects of the environment.

- **Let's Move Initiative** -

Let's move outdoors and encourage our kids to Be Out There. Research connects the lack of outdoor time to not only increased obesity, but also depression, stress, diabetes, ADD and poor performance in the classroom. It's time we took advantage of an old-fashioned, low cost remedy to our children's obesity problem – playing outside. Start a club to plan activities to meet the objectives of the Let's Move Initiative.

- **Make Homes for Nature** -

- build Mason Bee homes
- build Toad Houses
- build Bat Houses
- build Bird Houses

- **Enomology Club** -

Outdoor classrooms are great places to study insects and their relatives. Kids can learn about ant farms, beetles, grasshoppers, butterflies and more. Host a Night Insect Walk in the garden. Bug-lovers of all ages can join for an evening of adventure to see night-active insects and spiders.

School Vegetable Garden

First Lady Michelle Obama made history when she along with fifth graders from Washington, D.C., planted an organic vegetable garden on the White House lawn. The garden was intended to teach children about gardening and organic and healthy diets. Schools across the country have followed suit, planting vegetable gardens on school grounds.

- **Growing Potatoes in Tires** -

Potatoes are very easy to grow and many varieties can be planted as early as March. Early varieties of potatoes, like certain other plants, require special preparation before they can be planted. Potatoes must go through a chitting process, which involves keeping them in a dark, cool place until they sprout. Use a tire as a raised bed to plant 4 or 5 potatoes. Teach students about proper watering and drainage for potatoes and in about 6 weeks they will have healthy plants.

- **Sprouting Lima Beans** -

Scholastic.com recommends reading "Jack and the Beanstalk" during the time students plant lima beans. It offers students the opportunity to connect with the story--to see if Jack's beans really could have grown into a beanstalk that tall--and to experiment with different methods of sprouting beans. Have some students grow beans in soil-filled plastic cups while others wrap them in wet paper towels and pack them in individual sandwich bags. By making a chart for the whole class, students can track the progress of their plants and see which method better supports plant growth.

- **Planting a Three-Sisters Garden** -

This project teaches students about traditional American Indian gardening techniques and the science behind the practice. They will learn about the basic benefits of interplanting — where bean plants climb cornstalks — as well as the bacterial benefits that legumes have on soil.

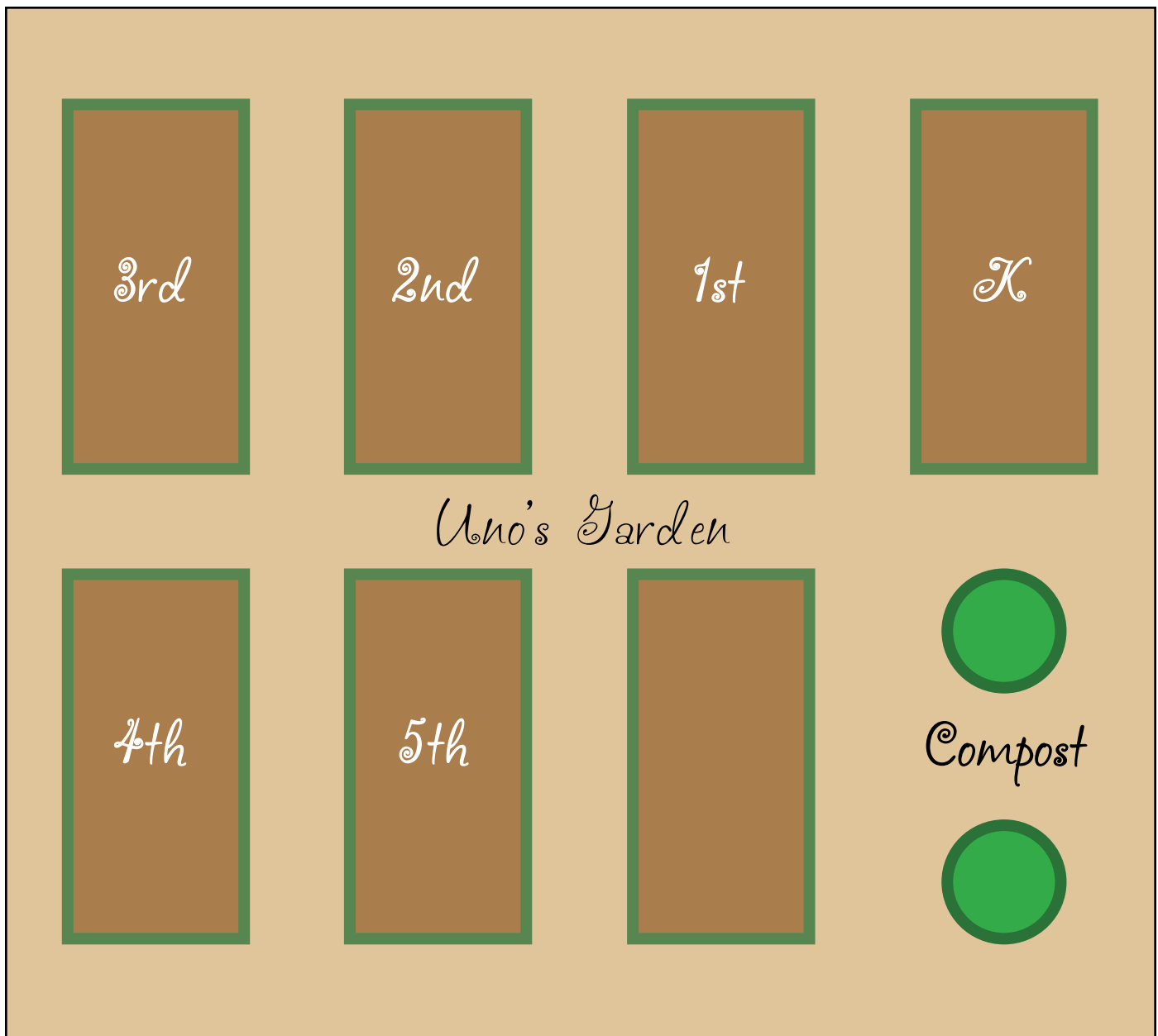


HOW TO GROW A School Garden

A Complete Guide for Parents and Teachers



Arden Bucklin-Sporer and Rachel Kathleen Pringle
OF THE SAN FRANCISCO GREEN SCHOOLYARD ALLIANCE



Uno's Garden

This section will be developed into 7 raised bed vegetable gardens. Each grade will be assigned a bed to grow veggies. A raised bed will be used for experimenting. Two tumbling compost containers will be placed by the gate.

Phase 6

Uno's Garden

Established Spring 2014

Area Size - 26'x22' (616 sq ft)

Total Budget — \$1,385

Plant Budget — \$25 • Hardscape Budget — \$1,360

Plant List

Kindergarten



Bean Gina

type - bush bean

size - 5- to 5 1/2-inch pods are bursting with flavor!

55 days. The best of the early Romano beans, with mouth-watering flavor and that extra-"beany" bite! Plants are large and resistant to Common Bean Mosaic, meaning even bigger yields. You may want to stake this generously-sized bush for easier harvest. Very easy to grow, even for the beginning gardener, this bean should be direct-sown into the garden after all danger of frost. For best harvest, plant successively every 3 weeks or so, ceasing in late spring or early summer and resuming after the worst heat is past.

www.parkseed.com

Packet is 2 ounces (about 100 seeds)

\$2.75 ea

Great size for little hands when harvesting.

1st Grade



Carrot YaYa Hybrid

60 days from direct-sowing. There is a new standard for crunchy-sweet flavor, and its name is YaYa! This bunching Nantes-type is just about the most delicious little carrot we have ever sampled . . . and we've sampled them all! Just 6 inches long, with a knobby sort of growth and blunt tip, YaYa sets a the new standard for eating excellence in the carrot family. Carrots need deeply-worked, light soil to grow straight, thick roots. Direct-sow the seeds when the ground has warmed up in spring, or in late summer for a fall crop. Thin the seedlings to avoid crowding (and use the thinnings to flavor soups). A touch of frost will do the roots no harm.

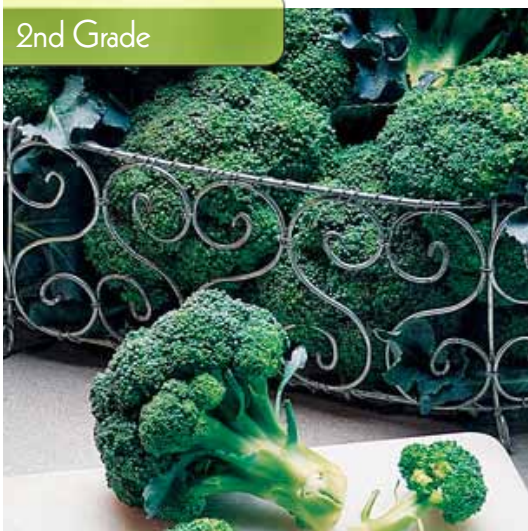
www.parkseed.com

Packet is 1/32-ounce, which is at least 400 seeds.

\$2.25 ea

Great size for little hands when harvesting.

2nd Grade



Broccoli Flash Hybrid

height - 2-3ft **spread** - 1ft

info - Super fast with unique flavor!

50 days. Try our new hybrid for fast, early and tasty harvests. Heat resistant and tolerant to downy mildew. A great broccoli to plant for its unusually sweet, 'nutmeat' flavor. Pick, steam and enjoy with melted butter and freshly squeezed lemon juice.

www.burpee.com

Packet is 200 seeds

\$5.25 ea



Start seeds indoors 5 to 6 weeks before the last frost date. Plant outdoors when danger of frost is past and night temperatures consistently remain above 55 degrees F. If an unexpected late frost is forecasted, protect young plants with plastic sheeting or other cover. Set plants 2 to 2 1/2 feet apart.

Plant List

3rd Grade



Tomato Supersweet 100 Hybrid

height - 6 ft spread - 3 ft
info - moist, well-drained soil

65 days from setting out transplants. Indeterminate. With extra sweetness and disease-fighting ability these are a rare treat that is also one of the most nutritious tomatoes available anywhere! It has a higher vitamin C content than any other tomato. The bright red, 1-inch globes are amazingly sweet and produce all season.

www.parkseed.com

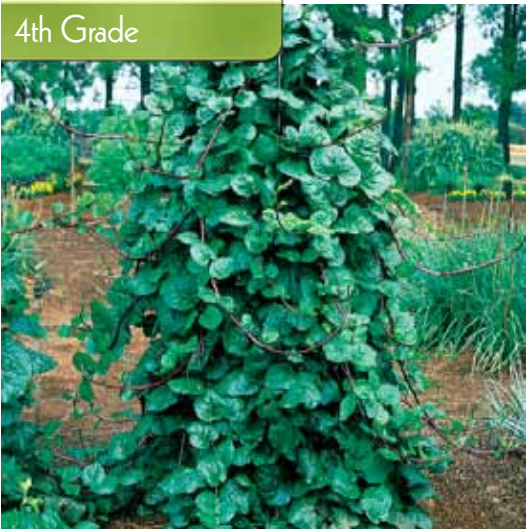
Packet is 30 seeds

\$2.50 ea



Start seeds indoors 5 to 6 weeks before the last frost date. Plant outdoors when danger of frost is past and night temperatures consistently remain above 55 degrees F. If an unexpected late frost is forecasted, protect young plants with plastic sheeting or other cover. Set plants 2 to 2 1/2 feet apart.

4th Grade



Malabar Spinach Red Stem

height - 6 ft spread - 2 ft
info - The red stems really jazz up the plate!

55 days. The thick, dark green leaves of this edible ornamental provide tasty greens throughout the summer, when traditional spinach will not grow. The mild flavor makes Red Stem equally good cooked or fresh, and is more palatable to children than the peppery cool-season varieties. Heat-loving and vigorous.

www.parkseed.com

Packet is 50 seeds

\$1.95 ea



Start seeds indoors, then transplant into the garden or large container (with support) in late spring. Nothing is easier or more productive.

5th Grade



Corn Butterfruit Original Early

height - 5 ft spread - 1 ft
colors - This Super Sweet Classic Matures Early and Abundantly!

72 days. The first of the Butterfruit varieties, this corn made thousands of converts to this extra-sweet type! The short, 5-foot plants mature very early, bearing plenty of long, well-filled ears! The kernels are bright yellow and tightly-packed from base to tip, with a savory flavor that everyone loves. You can space these smaller stalks a bit closer together to increase yields still further.

www.parkseed.com

Packet is 200 seeds

\$3.50 ea

Direct sow after last spring frost, when the soil is warm. Corn is famously easy to direct-sow in any sunny spot.

Plant List

Experimental Ideas



Squash Horn of Plenty Hybrid

size - 6 in long by 4 in wide

info - mild and sweet, with much richer flavor than those tasteless supermarket squashes

45 days from sowing. Perhaps the most delicious summer squash you will ever eat, Horn of Plenty Hybrid combines modern vigor with old-fashioned real squash flavor and look. Very mild, sweet, and succulent, this is how squash used to taste before the refrigerated trucks got a hold of it. The fruit arises on a single stem, very abundant and yet occupying less room in the veggie patch than most varieties.

www.parkseed.com

Packet is 20 seeds

\$1.95 ea

Squash is a very easy crop, growing quickly from being direct-sown into the warm spring soil. It is often grown in hills, meaning that several seeds are sown together, so that the plants can vine out in all directions.



Lettuce Little Gem

height - 5 in diameter **spread -** 36 in

info - eat these space-sving small heads whole!

50 days. Grow the sweetest, most tender butterhead (Boston) lettuce you've ever tasted in just 50 days with this petite gourmet treat! Lettuce thrives in cold weather and can be sown directly into the garden, starting in early spring. For an even earlier harvest, sow indoors; the seedlings don't mind transplanting. If a fall crop is desired, begin in late summer. Grow in single rows, plants spaced 6 inches apart, or in containers. Little Gem bears dark green heads just 5 inches across and packed with tender-fresh sweetness.

www.parkseed.com

Packet is 1/32 oz. (850 seeds)

\$1.85 ea



Beet Chioggia Guardsmark

size - 3- to 3 1/2 inch diameter

info - a neon-bright take on the famous heirloom "Bullseye Beet"!

60 days. Well, here's a whole new look in beets . . . though technically it's a very OLD look! Chioggia is an heirloom beet from Italy, renowned for its unusual bullseye stripes of red and white as well as for its sweet, peppery flavor. Guardsmark builds on that heritage by adding modern vigor, higher yields, and larger fruit size. And somehow along the way, those dark red rings have turned a neon shade of magenta!

www.parkseed.com

Packet is 200 seeds

\$1.95 ea

Its flavor is so sweet and mild that even children love it, yet its peppery afterbite has enough "true beet" tang to satisfy adults.



Potatoes

spacing - 5" deep and 15" apart

info - cut the seed potatoes with one or two eyes on surface
plant with the eyes facing upward

A 'never-fail' crop. You can plant red or white varieties; red will mature faster. Children seem to favor the red variety. Cut seed potatoes into chunks with at least 2 'eyes' per. Plant in furrows, about 12-15" apart, with eyes pointing upward. Mound soil up around plant as it grows; harvest when plant collapses.

Potatoes are generally planted in the early spring 2 weeks before the last frost where the soil temperature reaches 45 degrees F.

Hardscape List

Raised Garden Bed



Composite Raised Garden Bed

qty - 7

dimensions - 4' W x 8' L x 6" H

All-season durable, warp resistant and maintenance-free, our Raised Garden Bed Kit with Composite Timbers is attractive, strong and ideal for growing healthy organic vegetables. The Raised Garden Bed Kit with Composite Timbers system lets you design and build a raised vegetable garden that is rugged, resistant to warping from winter frost, and won't rot from exposure to rain and moisture. Made from recycled materials, plus, unlike pressure-treated wood, there are no dangerous chemicals present in our timbers.

eartheasy.com

(\$126.95 each) \$888.65



Composter



Ecomposter Compost Tumbler

qty - 2

dimensions - spider-like base measures 9" high - 71 gallons

Aeration of organic waste through mixing is an essential part of the composting process, and the Ecomposter makes it easy. All you have to do is rotate the tumbler on the stand's wheels or roll it across the ground to mix the compost materials inside. When your compost is ready, place the tumbler on the ground and roll it to any location in your yard where you need to add compost. Or if it's too heavy to lift off the stand, scoop it out into a bucket and carry that around the yard. 6 wheels on the base make it easy to rotate the ball.

eartheasy.com

(\$139.00 each) \$278.00



Pathways



Mulch - NoFloat

qty - 348 sq ft

dimensions - 4.3 cubic yards (4 inch depth) - 58 bags

Cypress Mulch is a shredded wood ground covering that helps prevent weed growth and retains water to reduce the maintenance requirements of plant beds. It is good for use on slopes and berms. The mulch is designed to knit and bind together so as to not float away. This product is Mulch and Soil Council certified.

Home Depot

(\$2.25 each - 2.0 cu ft) \$130.50

Hardscape List

Vegetable Cages



Bamboo Teepees

dimensions - 59"

info - faux bamboo, set of 12

qty - 2

Faux Bamboo Swivel Connectors

set of 25

For a structure like a fence, arbor or trellis, you need a material that will retain its strength and good looks over time. This faux bamboo is an excellent choice. Made of plastic-coated steel, the poles are rot and mildew resistant and will always maintain their original honey color. Can be taken apart and stored for the winter.

www.gardeners.com



bamboo - \$24.95

connectors - \$6.95

Total cost: \$63.80



*Gardeners, like plants,
invariably grow from
small beginnings.
~ Geraldene Holt*

Every child
is born a
naturalist.
His eyes are,
by nature, open to
the glories of the
stars, the beauty of
the flowers, and
the mystery of life.

- R. Search

