

EarthBox® Pre-K Warm Weather 12 Week Sunflower Instructional Plan



Goals	Applied Science, Math, Language Arts, Art, Leave No Child Indoors, , Healthy Eating, Teach Children Where Their Food Comes From and Responsible Stewardship
Materials	Per Classroom: Minimum of One EarthBox Ready to Grow Kit, EarthBox Pre-K Curricula, a pack of sunflower seeds, a large annual calendar, a liquid measuring device, thermometer, crayons, ruler, Books: <i>From Seed to Plant</i> by Gail Gibbons, <i>The Carrot Seed</i> by Ruth Krauss, <i>Jack in the Bean Stalk</i> , <i>This is a Sunflower</i> by Lola M. Schaeffer

Week(s)	Minutes	Activity	Pre-K Curricula Page	Extension Activities	Prep Classroom Garden
1	20	How the EarthBox Works	P 5	Science	P
1	35	Planting Sunflowers in an EarthBox	P 22	Science, Language Arts	C or G
1-12	5-10	Observe crops for germination, flowering, pests, diseases and harvest daily		Science	
1-12	5	On a large calendar, count the days until germination, flowering, and harvest throughout the growing season. 80-85 days.		Math & Science	C
1-12	5-10	Measure and use the calendar to record the water added to the EarthBox reservoir daily.		Math & Science	C or G
1-12	5-10	Measure and use the calendar to record the height of each sunflower daily		Math & Science	C or G
1	5-10	Note and record the average daily temperature on the calendar each day		Science http://www.weather.com/weather/climatology/daily/USAZ0166	
2	35	What is a Seed	P 9	Science & Language Arts	C
2	20	Coloring images of Sunflowers		http://www.sunflowersa.com/uploads/coloringbook_1_4.pdf	C
3	1	Name Three Seeds	P 12	Language Arts	C
3	20	Read <i>From Seed to Plant</i> by Gail Gibbons		Language Arts	C or G
4	1	Seeds Count	P 14	Math	C

Week(s)	Minutes	Activity	Pre-K Curricula Page	Extension Activities	Prep Classroom Garden
4	20	Read <i>The Carrot Seed</i> by Ruth Krauss		Language Arts	C or G
5	1	Using Seeds to "See" Gravity	P 17	Science & Language Arts	C
5	5-10	Count the blossoms on the plants daily		Math	C or G
6	35	Sunflower History, Uses and Nutritional Value	P 19	Nutrition and Language	C
6	20	Read: <i>This is a Sunflower</i> by Lola M. Schaeffer		Language Arts	C
7	30	Show the children the many Vincent Van Gogh paintings of the sunflower; Have them create a sunflower painting of their own.		Art http://www.allposters.com/-st/Sunflowers-van-Gogh-Posters_c84550_.htm?aid=99623043	C or G
7	30	Make Bird Feeders from milk cartons, observe and name and list the birds that feed http://familyfun.go.com/crafts/make-recycled-bird-feeder-710474/		Art And Science	C
7-12	10	Count the Birds that Feed		Math	C
8-12	20	Continue with on-going activities like counting the days, measuring water added etc.			
12	25	Harvest and Weigh the Sunflowers		Math	C or G
12	25	Dry and Count Sunflower Seeds		Math	C or G
12		Bake Cookies		Nutrition	P
12	10	Serve Cookies in Class		Nutrition	C or G

Oatmeal, Raisin and Sunflower Seed Cookies

Makes 36 Cookies

Pre heat oven to 325 degrees

Mix all ingredients together in mixing bowl. Form into 1" balls and place on ungreased cookie sheet. Bake for 12-15 minutes.

- 1 1/4 cups quick oats
- 1 cup all-purpose flour
- 1/4 cup wheat germ
- 3/4 cup light brown sugar
- 1/2 teaspoon baking soda
- 1/2 cup corn oil
- 1 egg
- 1 teaspoon vanilla
- 1/2 cup raisins
- 1/2 cup sunflower seeds
- 1/2 teaspoon salt

