

# FAIRCHILD TROPICAL BOTANIC GARDEN

20# -201#

## Teacher Professional Development Series



The Education Department at Fairchild Tropical Botanic Garden offers several professional development courses to teachers in Miami-Dade county. The classes focus on botany, ecology and South Florida natural history, and are designed to increase teachers' knowledge and understanding of the importance of plants and plant uses. Workshops are conducted using a combination of discussion and hands-on activities, and teachers are provided with materials, resources and curriculum activities to implement in their classrooms. TEC credits are available for MDCPS teachers.

To register, please visit <http://calendar.dadeschools.net>.  
For more information, contact [awalker@fairchildgarden.org](mailto:awalker@fairchildgarden.org).

**Fairchild Challenge Environmental Action Workshop** – This one-day workshop specifically addresses the Environmental Action option of the Fairchild Challenge. Limited to registered Fairchild Challenge teachers, this workshop will cover the topics of energy usage, water quality and conservation, and urban tree canopy cover, providing hands-on activities and ideas that can be implemented at school, home, and in the community. **Oct 1**



**School Garden Workshop** - A one-day workshop, offered bi-annually, for teachers creating school gardens. Teachers will learn the basics of planning, designing, and implementing a school garden, as well as how to integrate garden activities into the curriculum. **Oct, \$, Dec. &**







**South Florida Plants and Ecosystems** - A one-day workshop exploring our local ecology outside of the classroom. This workshop will provide a hands-on approach to understanding Florida native plants and ecosystems, as well as local conservation issues. **402'**



**Ethnobotany** - A one-day workshop offering a hands-on approach to understanding the cultural and economic value of plants and their importance in our lives. ; **N, '**

**Basic Botany** - This one-day workshop will teach the basics of roots, stems, leaves, flowers and fruit, emphasizing easy strategies to teach students about plant parts and functions. **Mar. '\$6**

**Tropical Botany** - A two-week intensive immersion course for teachers, affectionately known as 'Botany Bootcamp'. **Jun 1%2&**

III. Here are some major fruit types that we eat:			
Fruit Type	Description	Examples	Picture Example
Achene	A small, dry fruit with a thin, close-fitting wall around a single seed.	Sunflower seeds and strawberries (remember, the seed-like thing on the outside of the strawberry is the actual fruit!)	
Berry	A fleshy fruit with many seeds inside. The outside of the berry fruit may be soft or hard and leathery. (NOTE: a lot of fruits we call "berries" are not true berries - i.e. raspberries)	Tomatoes, oranges, kiwi, watermelon, cucumbers, grapes, blueberries, cranberries, passion fruit, papaya, peppers, even bananas!	
Caryopsis (grain)	A small dry fruit with a thin wall that is fused to a single seed.	Corn, rice, wheat, oats, barley, rye and most other grasses.	
Drupe	A fleshy fruit with a hard pit inside which contains the seed. The outside of the drupe is usually soft.	Peach, cherry, coconut, plant, olive, mango, blackberries, raspberries (aggregate drupes), mulberries (multiple drupes)	
Legume	A dry fruit that is long and thin and has several seeds inside lined up in a row when opened.	All beans, also peas, peanuts, and tamarind.	
Nut	A dry fruit with a thick, often wood-like shell surrounding a single seed. (NOTE: a lot of things we call "nuts" are not true nuts -ozone, like Brazil nuts, are actually seeds and some, like almonds, are the pit of a dry drupe!)	Chestnuts, hazelnuts, walnuts and pecan nuts.	

## Resources for Teachers

If you cannot make it to the professional development classes at Fairchild Tropical Botanic Garden, you can still download materials to use in your classroom. The following units are available on our website at <http://www.fairchildgarden.org/teacherprofessionaldevelopment>

- ☼ School Gardens
- ☼ Plant Kingdom
- ☼ Palms – From Seed to Plant
- ☼ Ethnobotany
- ☼ Green Machines
- ☼ Flower Power
- ☼ Plant Adaptations
- ☼ Elementary and Self-Directed Learning Activities