

# Recycling and Green Education for the Children in Cupertino

## Age-Appropriate Activities

|                   |   |
|-------------------|---|
| Kindergarten      | Tree Garden in Our School Yard P.1,2,3                                    |
|                   | Recycle in the Classroom P.4, 5   |
| Elementary School | Recycle in the Classroom (Students can bring items from home, too.) P4, 5 |
|                   | Rainwater Capture P.6   |
|                   | Sweeping Autumn Leaves p.6  |
|                   | Watering the Trees using Rainwater p.6                                    |
|                   | Tree Garden in Our School Yard p.6  |
| Middle School     | Compost at Home P.7   |
| High School       | Compost at Home P.7   |
|                   | Campus Botanical Garden P.8   |

For Kindergarteners:

1. **Tree Garden in Our School Yard:** How about we plant Trees and Fruit Trees in our school yard?

The trees can be young, such as 3 years old or 6 years old. Small trees are pretty to look at.

They can be shorter than children. Or just about the same height.



The lesson to teach is **Trees take a long time to grow.**

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Trees can also provide shade, sweet fruits, and fresh air that the children can enjoy during school hours.



**Cutting down 50 trees to build a commercial retail center may require just one day. But growing 50 trees requires a long time. Well, 45 years?**

**We have lost countless trees in recent years due to wildfires and super strong winds/droughts. Trees are **Good for the environment.****

It's also important that the children learn some trees shed leaves in the autumn and that is the way nature works.

Autum leaves should be kept on the ground to give nutrients to the soil.

In our educational program, older children will come to clean the fallen leaves, bring them to **the old leaf pile flower bed n** near the trees, to naturally let them break down into compost.

After all, autumn leaves are the ingredients for rich natural fertilizer and mulch. Children will learn how old leaves naturally break down into usable soil.



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## Age-Appropriate Activities

How to Cover the Expense to Buy Six Trees for One Elementary School for this Project:

1. Ask the parents of the kindergarten classrooms
2. Ask the parents of 1<sup>st</sup> – 5<sup>th</sup> grade students
3. Look for sponsors.

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For Kindergarteners:

2. **Recycle in the Classrooms:** we throw in **Two Cardboard Boxes in the Classroom to throw in Recyclables.**

One box is for the students.

The other box is for the teacher/s.

**Do you know that Staples in Cupertino accept recyclable office stationaries and give you points/cash?**

- Markers
- Ball Point Pens
- Crayons
- Pencils
- Pens



Below is the link to the Staple's page:

[Recycling Services at Staples | Staples](#)

Teachers can recycle.

- Broken headsets
- Broken keyboard and mouse
- Ink cartridges
- Old printer
- Batteries, etc., etc.



This Photo by Unknown

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### Requirements:

1. Two cardboard boxes placed in a classroom.
2. Invite 7 volunteering parents who work to collect the boxes from the classrooms once a week and bring them to Staples in Cupertino.

### Benefit:

1. Students will learn what can be recycled.
2. More items will be recycled instead of going to a dump.

Parent volunteers will learn what can be recycled and spread the word with the community for greener tomorrow.

### Merits & Influence:

**After all, recycling is the only thing which every person can do. Nobody can stop him or her from doing it.**

### What can be recycled at Staples store:

| Tech                              | Tech (cont.)                      | Batteries                               |
|-----------------------------------|-----------------------------------|---|
| Adapters & hubs                   | Laminators                        | Lithium ion (Li-Ion)                    |
| Battery backup devices            | Laptops & MacBook®                | Nickel metal hydride (Ni-MH)            |
| Cable/satellite receivers         | Mobile phones & iPhone®           | Nickel zinc (Ni-ZN)                     |
| Calculators                       | Monitors (CRT, LED / LCD, plasma) | Non-rechargeable lithium <b>NEW</b>     |
| Car & wall chargers               | MP3 players & iPod®               | Rechargeable nickel cadmium (Ni-Cd)     |
| CD/DVD/Blu-ray discs & players    | Printers & multifunction devices  | Single-use alkaline <b>NEW</b>          |
| Coffee brewers (less than 40 lb.) | Routers & modems                  | Small sealed lead acid (SSLA/Pb)        |
| Computers                         | Scanners                          |   |
| Computer speakers                 | Shredders                         | <b>Writing tools</b>                    |
| Connected home devices            | Small servers                     | Crayons <b>NEW</b>                      |
| Digital & video cameras           | Smart watches & Apple Watch®      | Pens & markers <b>NEW</b>               |
| Digital projectors                | Stereo receivers                  | Wooden & mechanical pencils <b>NEW</b>  |
| Earbuds & AirPods®                | Stylus pens & Apple Pencil®       |   |
| Fax machines                      | Tablets, iPad® & eReaders         | <b>Even more</b>                        |
| Flash drives                      | USB & Lightning® cables           | Phone & iPhone cases <b>NEW</b>         |
| Gaming consoles & controllers     | Video streaming devices           | Tablet, iPad & eReader cases <b>NEW</b> |
| GPS devices                       | Webcams                           | Shredding (cost per pound)              |
| Hard drives                       |                                   | SodaStream® CO2 cylinders               |
| Headphones & headsets             | <b>Printer cartridges</b>         |   |
| Keyboards & mice                  | Ink cartridges                    |   |
| Label makers                      | Toner cartridges & drum units     |   |

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## Age-Appropriate Activities

For Elementary School Students:

1. **Recycle in the Classroom** same as for kindergarteners. There is one difference, though. Here, children can bring recyclables from home as well.
2. **How much rainwater have we got?** Rain barrels Installation and Use.

Each classroom is responsible for maintaining mosquito-free rain barrel installed near their classroom.

The water can be used for:

3. **Watering trees in the Tree Garden.**

**Purpose:** Children will learn that rainwater is useful.

**Where to get the fund:** Each rain barrel is about \$140. If a classroom has 30 students, the donation of \$5 from each household can buy one rain barrel. (  $\$5 \times 30 = \$150$  )



4. **Sweeping of autumn leaves** in Tree Garden, learning how leaves naturally decompose.
5. **A Tree Garden Program** Elementary School Children may want to contribute trees just like kindergarteners do.

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### For Middle School Students:

1. **Compost At Home** if that works better than using the city-provided green bin.

Please refer to the how to of composting at home in this PDF link:

[Why Compost at Home](#)

[\(godspromisehumanitarianoutreach.org\)](http://godspromisehumanitarianoutreach.org)

# Recycling and Green Education for the Children in Cupertino

## Age-Appropriate Activities

**For High School Students:**

- 1. Compost At Home**
- 2. Campus Botanical Garden Project**
- 3. Recycling Box for Pens & Markers in the office for students & teachers to use.**

**Campus Botanical Garden Project is something that students can do to create a botanical garden in school. Tasks can include but not limited to:**

1. Select what to plant: trees, plants, shrubs, etc.
2. Select the location
3. Select who give/s water
4. Study when and how much to give water
5. Learn about the biology of the plants/trees
6. Put benches and chairs. Make the space for a get together.