

CRANBROOK

OUR FOCUS!

OUR SUSTAINABILITY PILLARS!



Sustainability at Cranbrook! As a Community, we remain united and focused on our four Sustainability pillars in our strategic and collaborative effort to continue to work together to help make Cranbrook more green and sustainable. Thank you for all you are doing to support the vision and mission of Cranbrook.

Chartwells Introduces Chef 2 School Program: Sustainable Dining and Education

*Full Story:
See Page 2*



Photograph: Chartwells Chef 2 School Program at Cranbrook School Dining Hall



CRANBROOK EDUCATIONAL COMMUNITY

SUSTAINABILITY AT
CRANBROOK...AND BEYOND

Inside this issue:

Our Focus! Our Sustainability Pillars	1
Chartwells Chef 2 Schools Program	1-2
Green Cleaning: Inside and Out	3-4
Public Safety Office Upgrades MSDS Program	5
Plastic Water Bottles	6
Recycling at Cranbrook	7
Director's Blog	8



OUR FOCUS: EDUCATION OF OUR PEOPLE & VISITORS

Chartwells Chef 2 School Program Sustainable Dining: Awareness & Education

Chartwells and Cranbrook Schools Leadership Teams continue to collaborate to promote awareness and educational programs about sustainable dining for students, faculty and staff. Chartwells recently introduced the Chef 2 Schools Program in campus dining halls. This Chef 2 School Program provide an opportunity for Chartwells Chefs to showcase local produce and products, while educating faculty, staff and students on the importance of supporting local farmers and their products. Chartwells is also working with Coastal Produce company to deliver fresh and local produce to Cranbrook. The Coastal Produce company reaches out to local farmers within a 200 mile radius who deliver produce to Chartwells resulting in reduced emissions and sustainable dining practices.

The Chef 2 School Program also helps students and the community become knowledgeable about how their food choices impact the environment. Chartwells staff continue to promote awareness and education on sustainable dining practices through lectures, special events, academic partnerships, and hands-on learning in cooking classes and organic gardens. Chartwells Leadership Team members, Allison Mitchell and Kimberly Sinclair also serve on Cranbrook's Green Team. They both, along with their staff, remain focused and committed to helping the reduce food waste, instituting and participating in sustainable business and dining practices in support of Cranbrook Sustainability program and strategic goals.



COMPOSTING IN THE HORIZON UPWARD BOUND GARDEN



Photo: Cranbrook Horizon Upward Bound (HUB) Garden

Emily Poor, Cranbrook Academy of Art Student, continues to spear head food composting pilot efforts. Emily has teamed up with Dr. Darryl Taylor, Director Cranbrook Horizon Upward Bound and Cranbrook Green Team Members: Allison Mitchell & Kimberly Sinclair, Chartwells, Kevin Mill and Dan Williams, Cranbrook Physical Plant to expand this sustainable practice to the Horizon Upward Bound Garden.

Kimberly Sinclair says, "Chartwells participates in the project by gathering all of the fruit and vegetable

scraps and saving them for Emily, who is collecting them and composting them into the HUB Garden. It really is remarkable what Emily is doing and allowing us to play a part in the project."

Some have asked the question, what is food composting? And, how will this project benefit Cranbrook HUB Garden and the environment? In short, composting is an inexpensive, natural process that transforms food and garden waste into a valuable and nutrient rich food product. The nutrient-rich food product (compost) helps improve soil structure, maintain moisture levels, and keep the soil's pH balance in check while helping to suppress plant disease. Compost also has everything plants need including nitrogen, phosphorus and potassium and it will help buffer soils that are very acidic or alkaline.

Environmentally, composting food waste helps reduce the amount of waste sent to landfills. It has been determined when waste is sent to landfill, air cannot get to the organic waste. Therefore as the waste breaks down it creates a harmful greenhouse gas, methane, which damages the Earth's atmosphere. However, when this same waste is composted above ground in gardens, oxygen helps the waste to decompose aerobically which means hardly any methane is produced, which is good news for the planet. Speaking of benefits, after nine to twelve months, we should have free fertilizer for the HUB Garden to help keep it looking beautiful. More to come...



OUR FOCUS: BUSINESS PRACTICES/GREEN PURCHASING

“GREEN” CLEANING

INSIDE

and

OUTSIDE

PHYSICAL PLANT HOUSEKEEPING DEPT: CLEANING GREEN!

Did You know that the majority of commercial cleaning companies now offer sustainable cleaning products? In addition, most companies are also using 100% recycled packaging. Cherie Hannan, Physical Plant Housekeeping Supervisor, advised that Cranbrook now uses items that meet or surpass the US EPA guidelines for post-consumer waste and are sustainable. Did you know that.....

*All of the paper products are a minimum of 50% post-consumer waste or post industrial waste. New items newly introduced to Cranbrook include:



***Toilet Paper:** The new EcoSoft line of toilet paper is made from post-consumer waste like cardboard that went into a recycling bin.



***Paper Towel Dispensers:** 2/3 of the Cranbrook campus has the new dispensers. The remaining areas without new dispensers will receive them once the current supply of paper towel that fits into them is depleted. The new dispensers allow for a new roll of towel to be inserted alongside and existing roll that is nearly empty. This way, no partial rolls are wasted or used for other tasks.

***Supplies** purchased in bottles are #2 plastics that can be recycled. General cleaning products are environmentally friendly and meet Green Seal standards. There are a very small number of items that have cleaning agents that are not quite as friendly.



Continued on pg.4.

CRANBROOK HOUSE & GARDENS: “ELBOW GREASE” REMOVES BIOLOGICAL GROWTH



This Fall, Leslie Miro worked with members of the Cranbrook House and Gardens to clean three stone sculptures—Fountain on West Terrace (aka Cherub Fountain, Menelaus and Atalanta/Ecolo—located in the Cranbrook Gardens. The purpose of this venture is two-fold: to see what the time and person-power is to clean pieces and to see if it is something a small group of volunteers can tackle each season.

In the past, the stone sculptures have been steam cleaned, cleaned with various cleaners, or diatomaceous earth. These all helped the sculptures look great and were best practices at the time. However, in order to clean the sculptures in 2015, we want to use current conservation methods. Per Clara Deck, Senior Conservator at The Henry Ford, “Manage expectations that your volunteers will want to end with a perfectly white object. The black staining may remain. The goal of your treatment is really just to remove the biological growth now so you can examine the surfaces better.” **Continued on page 4.**





OUR FOCUS: BUSINESS PRACTICES/GREEN PURCHASING – Continued

PHYSICAL PLANT HOUSEKEEPING DEPT: CLEANING GREEN!, from page 3

***Floor pads** for campus scrubbing machines are made of a polyester fiber that is 100% recyclable. Floor finishes are Green Seal Certified.

***Trash bags** now come in a roll with no cardboard roll in the middle and are called "coreless". This reduces added to recycling bins.

***Wooden pallets** that are part of deliveries are stored and returned to vendors for re-use.

Kudos to Housekeeping : CLEANING GREEN!



Scrubbing machine and floor pad.

CRANBROOK HOUSE & GARDENS: "ELBOW GREASE" REMOVES BIOLOGICAL GROWTH, from page 3

New conservation research finds that the best method for non-conservators to clean stone is with water, a soft bristle brush, and elbow grease.



The Cranbrook House and Gardens Auxiliary understand we are not getting pure white pieces and are excited to see the changes just water and brushes bring. Our conclusion, however, is we cannot do it alone. Many of the stone sculptures are pitted from acid rain. Others are cracked from the freeze-thaw cycle, and most are just showing their age - every single one is at least 100 years old.

In order to have these pieces for another 100 years, we need conservators to come in and stabilize the pieces. The Cranbrook House and Gardens Auxiliary will continue helping clean the sculptures with the water, brushes, and elbow grease, to remove biological growth. More importantly, they will help identify the pieces in most need of cleaning and repair.

I hope the Community will stop by and see the work done so far. I am enjoying this partnership between the Cranbrook House and Gardens Auxiliary and the Registrar's Office for the Cranbrook Center for Collections and Research and Cranbrook Art Museum and look forward to more projects in the future.

Contributing Writer: Leslie S. Mio is the Assistant Registrar for the Cranbrook Center for Collections and Research and Cranbrook Art Museum



OUR FOCUS: EDUCATION OF OUR PEOPLE

What is Green Purchasing? **Green Purchasing** refers to the procurement of products and services that have a reduced effect on human health and the environment when compared with competing products or services that serve the same purpose.



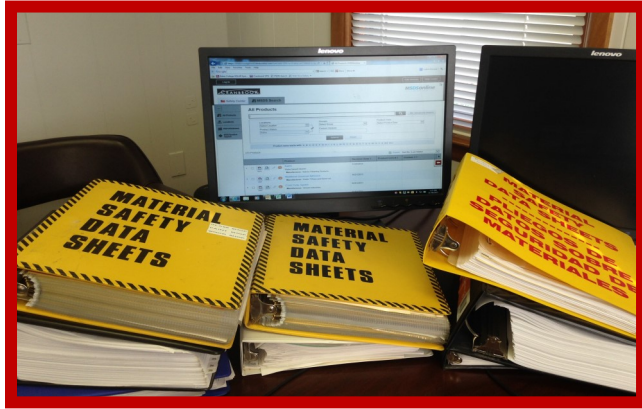


OUR FOCUS: BUSINESS PRACTICES



OUR FOCUS: EDUCATING OUR PEOPLE/BUILDING PARTNERSHIPS

PUBLIC SAFETY OFFICE UPGRADES MSDS PROGRAM



The Cranbrook Public Safety department, in partnership with Physical Plant, is in the process of coordinating the implementation of a new online portal for campus Material Safety Data Sheets (also known as MSDS). The program is called MSDSonline and is an online library of MSDS's and assists in protecting employees from dangerous chemicals such as methanol, acetone, hydrochloric acid and millions of other hazardous substances.

The program was created by VelocityEHS, a leading cloud environmental, health and safety (EHS) software provider which helps its customers reach their environmental, health, safety and sustainability goals. All current MSDS sheets will be included in the program. Employees and Academy of Art students can also submit requests to add additional items to the portal when they are in use on campus. The requests are reviewed and approved by the Public Safety Department Manager, Calvin Vincent.

Prior to implementation of the program, all MSDS were kept in six large binders and were cumbersome to manage for departments such as the Academy of Art, Physical Plant and Institute of Science. The new online system will ensure there is no duplication of reporting and provides users with mobile access to information vs. utilizing hard copies of sheets. Of great importance is the ability for first responders to access the information when there is an emergency. Bloomfield Hills Fire, Police and Ambulance workers now have mobile, online access to the information that will increase their response time when provide care or responding to an accident related to chemicals.

The program is currently implemented in the Physical Plant Department, with training provided by the Director of the Physical Plant. In addition, 10 Cranbrook Academy of Art (CAA) training sessions will be led by Calvin Vincent in the Studios for students and faculty. Attendees will also be instructed to notify the Academy when any new materials are in use and need to be added to the database. This way, a current record will be in place for each area.

Contributing Writer: Phyllis Kendrick-Wright

SUPPORTING LOCAL FARMERS & FOOD BANKS *Michigan Harvest Gathering*

Chartwells Michigan Employees (including those assigned to Cranbrook Schools), participated in the Michigan Harvest Gathering. The community project held October 19-30, 2015 focused on collecting Michigan farm projects to send to local Michigan Food Banks. Outreach effort led by Chartwells employees and Cranbrook Green Team Members: Allison Mitchell and Kimberly Sinclair.

Join
The
Online
Food
Drive



Donate Fresh
Michigan Food



**Chartwells Michigan
Employees**

Community Project
October 19 - 30

**Send Michigan Farm Products To
Local Michigan Food Banks**

It's Easy!

1. CLICK ON THE LINK OR QR CODE

<https://donatenow.networkforgood.org/SOMfeedmichigan>



2. SCROLL DOWN TO MHG Employee
Giving Campaigns

3. CLICK DROP DOWN MENU, CHOOSE
CHARTWELLS K12

4. FEEL GOOD



FOOD BANK COUNCIL OF MICHIGAN

330 Marshall St. Ste 102 Lansing, MI 48912 | 517.485.1202
www.fbcmich.org



OUR FOCUS: EFFICIENCY OF OUR FACILITIES



In support of our waste reduction efforts, our Physical Plant Team has installed Bottle Filling Station/Drinking Fountains in the following campus locations:

Cranbrook Hoey Hall (Math Hallway), Wenger Gym, Kingswood Weaving Studio Hallway, Boys' Dorm (4), Performing Arts Center (PAC), Lerchen Hall and Vaughan Boys' Middle School. More to come.



The counter above indicates we helped eliminate waste from 1,273 disposable plastic bottles going to the landfill.

Go Cranbrook!



OUR FOCUS: EDUCATION OF OUR PEOPLE & VISITORS

Plastic Water Bottles: Did You Know?

- Plastics are not made from crude oil. They are manufactured from hydrocarbon gas liquids (HGL) and natural gas. HGL are by-products of petroleum refining and natural gas processing. *Source: US Energy Information Administration*
- While plastic is not made from crude oil, crude oil is the base raw material. It took approximately 17 million barrels of oil equivalent to produce the plastic for bottled water consumed by Americans in 2006. *Source: Pacific Institute*
- It is estimated that for every six water bottles we use, only one makes it to recycling. *Source: National Geographic*
- In 2007, U.S. consumers purchased more than 8 billion gallons of bottled water, about 30 gallons per person. *Source: Pacific Institute*
- There are two main types of bottled water. Spring water (i.e. Nestle) comes from an underground spring. Spring water accounted for 56% of sales in 2007. Purified water (i.e. Dasani and Aquafina), which comes from tap water with further treatment, accounted for 44% of sales.



Will You Accept The Challenge?

Would you be willing to help eliminate all plastic water bottles from campus within 3 years?

Email us your thoughts and comments: sustainability@cranbrook.edu

SUSTAINABILITY CHAMPIONS CHALLENGE

Tell us how **you** are making a difference as you think, learn, work, play, and give towards a sustainable Cranbrook and beyond.

Get Involved Today.

Email: sustainability@cranbrook.edu.

The *Sustainability at Cranbrook* Newsletter is published for Cranbrook Educational Community.

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**OUR FOCUS: EFFICIENCY OF OUR FACILITIES AND
EDUCATION OF OUR PEOPLE & VISITORS**



Thank you Cranbrook faculty, staff, students and visitors for continuing to do your part to help us exceed our goal of increasing campus recycling by 30% to 42%.

“WE” Do Recycle
Put in Recycle Bins

FIBER

- Cardboard
- Office
- Junk Mail
- Paper Bags
- Newspaper & Magazines
- Shredded Paper (bagged)
- Books/Phone Books
- Envelope/File Folders
- Box Board (Cereal Boxes, etc.)



CONTAINERS*

- All Plastic Beverage Bottles & Jars
- All Plastic Bottles & Jars
- Tin Cans and Aluminum Cans
- ***Must be cleaned or rinsed**



“WE” Don’t Recycle
Put in Trash Cans

- Styrofoam
- Aluminum Foil
- Floor Sweepings
- Food Waste/Wrappers
- Stickers & Wax Paper
- Photographs and Laminating Film
- Tissue and Toilet paper
- Ceramic Tile

METALS/GLASS AND WOOD

Use specifically marked containers located in the 19 Valley Way “Boneyard”. Wood must not be painted, must not be wolmaized and free of nails or metal bracing.

FOR ADDITIONAL BINS

Contact the Physical Plant at (248) 645-3123

**QUESTIONS/SUGGESTIONS REGARDING
THE RECYCLING PROGRAM**

Contact the Sustainability Office at 248-645-3288

**“It is ours now, and we are all so glad... It is to be called
Cranbrook.”**

Diary of Ellen Scripps Booth, 1904



Director's Blog: *Sustainable YOU*



A NEW YEAR'S RESOLUTION FOR A SUSTAINABLE YOU: FOCUS 2016!

At the end of each year, we tend to reflect on goals we did or did not attain. For those we did not attain, do we ask ourselves: why? Do we hastily make new goals before answering this question? Perhaps, the missing factor is the pillar of **FOCUS!** Merriam Webster Dictionary defines focus as: a center of activity, attraction, or attention: **a point of concentration.**

This year, when making your new year goals, consider including the pillar of **FOCUS** for a sustainable you!



I will FOCUS on Improving my Health: In most cases personal and environmental health are interlinked. When you think about improving your health this year, consider exercising, things like going chemical-free in your home with natural household cleaners and eating fresh, local foods to help you lose weight and support organic farming.



I will FOCUS on Organizing my Home & Office: Chaos in our homes and offices affects our sense of well-being. It creates stress and fills our time with disorder. Creating order minimizes stress and donating our excess to a good cause keeps it out of a landfill.



I will FOCUS on Reducing Debt: Nothing disrupts a more personal level of sustainability than too much debt. Focus on reducing debt, budgeting, saving and investing for future retirement. Don't wait!



I will FOCUS on Improving the Balance in my Life: For a healthy, happy life, get involved with the things that matter most to you. Spend more time with loved ones, get involved with a charity and focus on sustaining balance in your life.

When making each goal, it should be realistic, attainable and sustainable and include the pillar of **FOCUS**. When you make the decision to embrace the pillar of **FOCUS**, you may face obstacles and challenges that may blur your vision. When that happens, reflect on the goal and adjust your **FOCUS** to create a clear picture and resolution at all times.

For a Sustainable You: FOCUS 2016!
Norma Jean Evans, Director of Sustainability