



CRANBROOK EDUCATIONAL COMMUNITY

SUSTAINABILITY AT CRANBROOK...AND BEYOND

A COMMUNITY WORKING TOGETHER!

KINGSWOOD LAKE SHORELINE CLEAN-UP (Full Story –Page 5)



Inside this issue:

Girls' Middle School Earth Day Project	1
Brookside Busy Bees	2
House & Gardens Plant Sale	3
Cranbrook Academy of Art Materials Exchange	4
Kingswood Lake Shoreline Clean-up	5-6
Cranbrook Upper School Working Together	7-8
Boys' Middle School Eco-Day & Recycle Challenge	9-10
Annual Scrape Day	11
Community Wellness	12
Wendy's Tips for a Sustainable Summer	12
Director's Blog	13

KINGSWOOD MIDDLE SCHOOL GIRLS WORKING TOGETHER

Earth Day Project (Jeans For the Cause)

The girls were excited to wear their favorite pair of jeans for the day. Proceeds benefited the HUB program. Sixth grade girls also work in the Horizon Upward Bound (HUB) garden in spring & fall, as part of their life science curriculum.

*Marjorie Mertz, Green Team Member,
Contributing Writer*



Brookside Busy Bees! Still Buzzing!!

Brookside Busy Bees Environmental Club spent their last day in the Brookside Children's Garden. Julie Schulze (Brookside Faculty), arranged for Cranbrook Landscape staff, Roger Rotarius and Tom Beyma to come work with the Busy Bees in the garden.

Erin Joyce (Brookside Faculty) and Trish Hourigan (Brookside Environmental Club Faculty Advisor) helped the children weed out all the invasive wildflowers. Roger and Tom also brought 24 native plants for the children to add to their beautiful space.

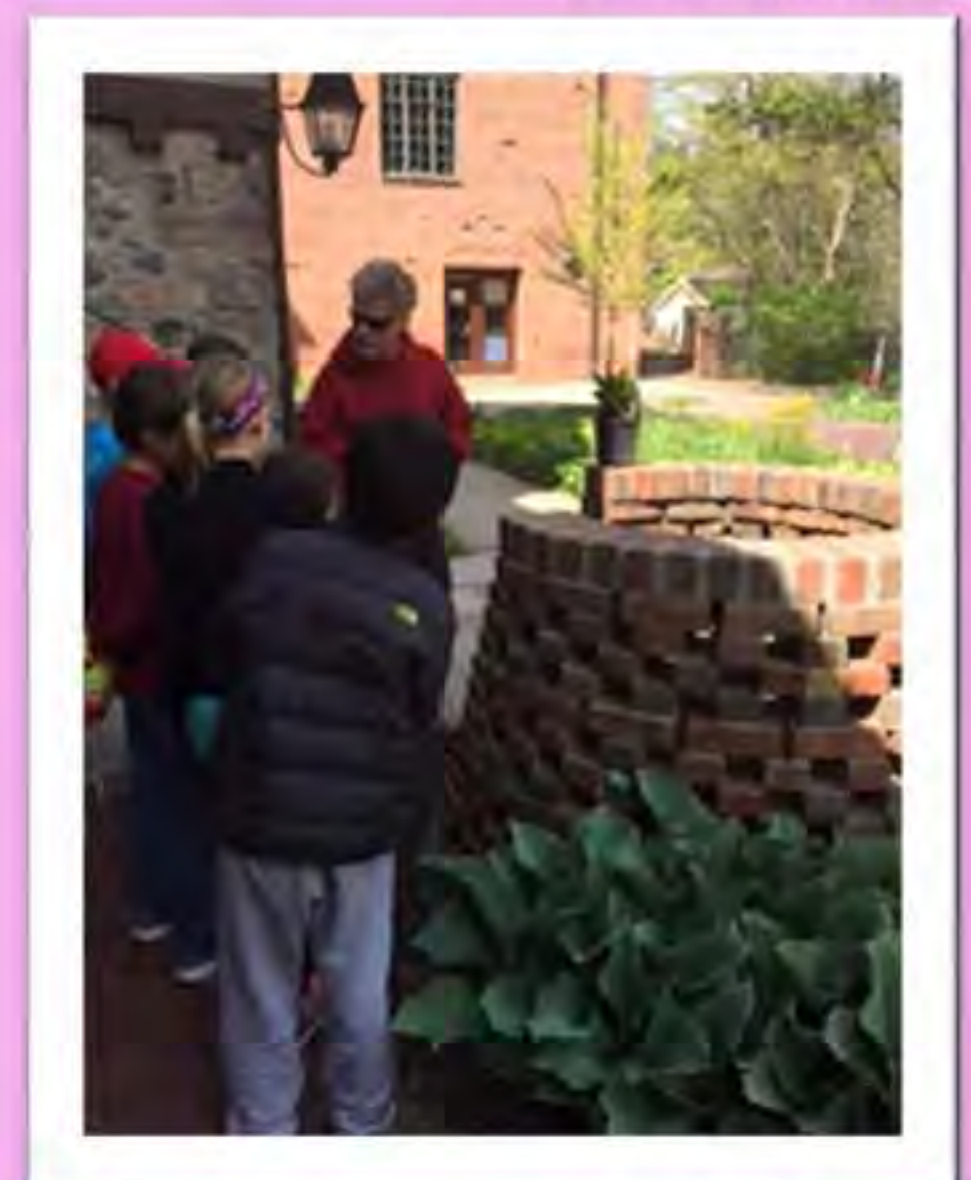
Trish said, "we learned about the fennel plants we have and how they are home to the swallowtail butterflies. Roger also talked to us about many of the other unique native plants we have growing."

Additionally, we learned that the garden crew still uses and keeps up our awesome compost bin. The temperature in the bin on May 4th was only 45 degrees, but will eventually get up to 125 degrees! We hope the Landscape staff and Brookside students can continue to put compostable materials like egg shells, coffee grounds, and vegetable peels in the bin to help create great compost for our Brookside garden.

Trish Hourigan, Green Team Liaison, Contributing Writer



Photos: Brookside Busy Bees— working in the Brookside Children's Garden



WORKING TOGETHER: CRANBROOK HOUSE & GARDENS VOLUNTEERS AND STAFF

The House and Gardens 45th Annual Spring Plant Sale 2017 Thanks from the Heart



What started as an idea has germinated into a “must attend sale”. In 1972, the Cranbrook House and Gardens Auxiliary (at that time only the Cranbrook Gardens Auxiliary) decided to hold its first plant sale. The end result was a whopping \$800! That initial sale has blossomed into an event that continues to support the mission of the House and Gardens Auxiliary, mainly to preserve, maintain and restore Cranbrook house and its surrounding gardens, plus educate our members, the Cranbrook Community and the general public.

But our sale does much more than that. Each year dozens of volunteers save hundreds of native plants destined to be plowed over for building construction. Our volunteers contribute perennial plants from their own gardens ensuring that our customers

find plants that work well in the ever changing Michigan weather.

Our sale also attracts people who want to support our efforts and shop locally. We have customers as far away as Grand Rapids and Toledo. We have customers who return year after year after year. We have customers who don't mind waiting 90 minutes in line before the sale opens. And, we even had a customer who went into labor, but refused to leave until she had her lady slipper safely purchased. Just another story in our long history!

Thank you Cranbrook House and Gardens volunteers and everyone for helping us save and repurpose hundreds of native plants. And, for making our Plant Sale a HUGE success!!

Judy Lindstrom, Cranbrook House & Gardens Volunteer, Green Team Liaison and Contributing Writer

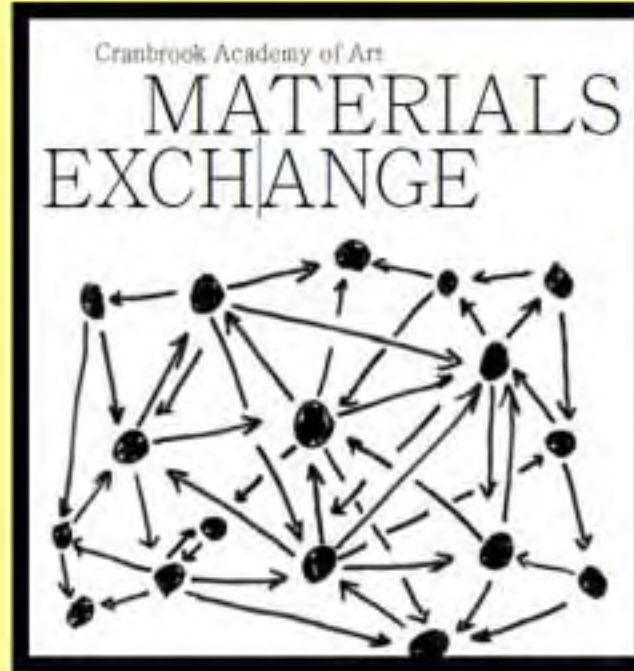




WORKING TOGETHER: CRANBROOK ACADEMY OF ART



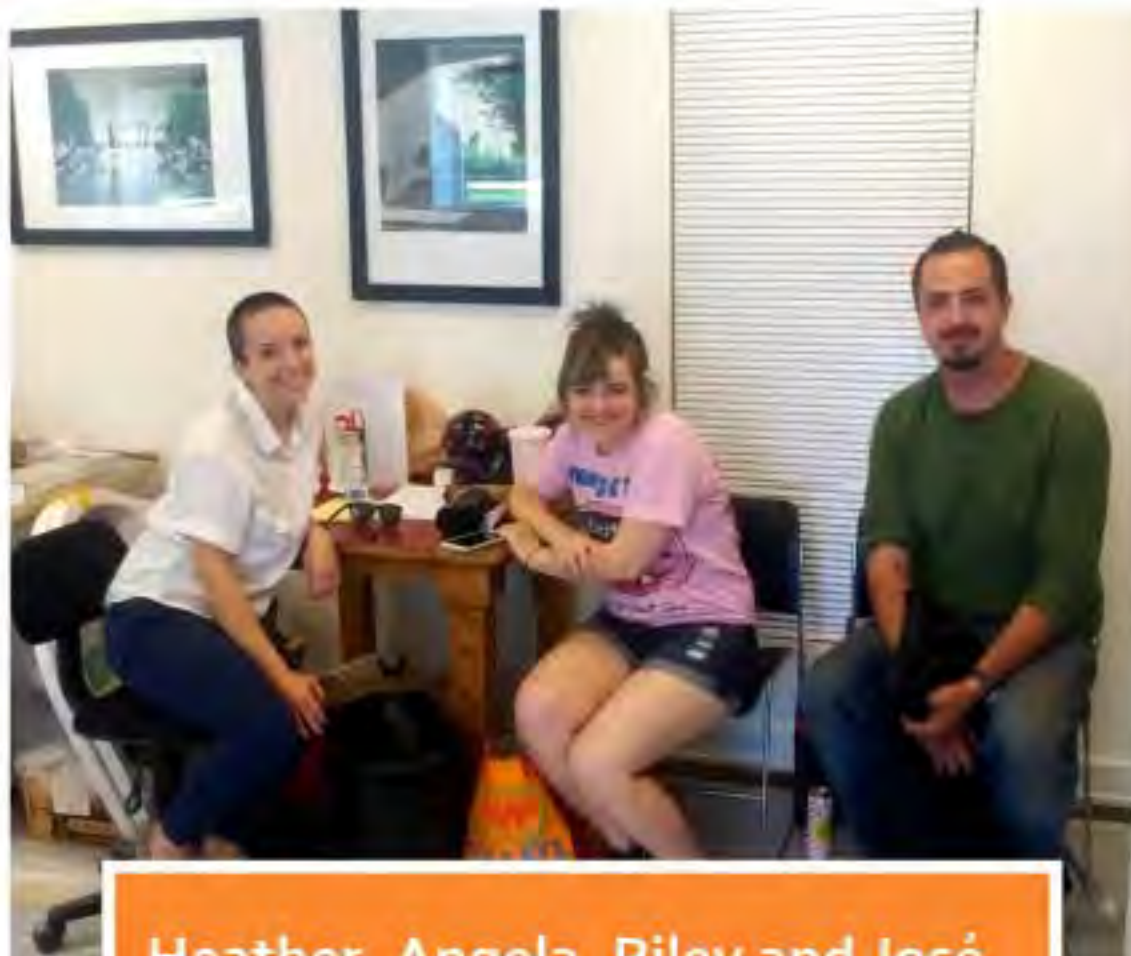
Academy of Art Landfills 30% Less in 2017



Led by a hard-working Studio Council Volunteer Committee (Angela Eastman, José Arenivar-Gomez, Heather Mawson, and Riley Fields), Academy of Art students coordinated the 5th annual materials exchange in the Academy's Library conference room during the last days of the academic year. As Academy students cleaned out their studios and dorm rooms, they brought items to the lower level of the Library to share and "shopped" for items left by their colleagues. Several non-profits were invited to come find useful materials for their programs, in addi-

tion to the Cranbrook camp programs and other Community members. Leftover items were donated to the Salvation Army. While many factors may have come into play, the Academy did use two fewer dumpsters during clean out this year at a savings of hundreds of dollars and proudly kept a considerable volume of material out of the landfill. We thank all of the volunteers for their hard work! We invite the CEC to watch for the opportunity to come "shop" for treasures next year – tentative date May 14, 2018!

Julie Montgomery, Green Team Member, Contributing Writer



Heather, Angela, Riley and José help with the Materials Exchange clean up May 17, 2017.



Riley and Angela ready to deliver leftover items to the Boneyard



The relatively few items which could not be donated went to the Cranbrook "Boneyard".



**WORKING TOGETHER:
FACULTY, STAFF & EMPLOYEES FROM ACROSS THE COMMUNITY**

Kingswood Lake Shoreline Clean Up



Kingswood Lake got some help from the Cranbrook Community for Earth Day. On April 21, volunteers from across the Cranbrook Community gathered to learn facts about the lake from Head Archivist Leslie Edwards, the project's purpose from Landscape Superintendent Kevin Mill and tackled tasks that included shoreline planting, installing duck houses and clearing brush around the lake. The volunteers then enjoyed a pizza lunch while hearing about conservation initiatives on campus from guest speakers, Chief Operating Officer Rod Spearin and LITE Club Advisor Suzanne Tennent.



Roughly 15,000 sq. ft. of brush was cleared on the west shore of the lake



12 Red Twig Dogwoods and 62 White Cedars were planted on the west and south shores of the lake



Four Wood Duck houses were placed around the lake to encourage Wood Duck nesting.

Working Together!
More Photos from our Cranbrook Community Earth Day Project



WORKING TOGETHER: CRANBROOK UPPER SCHOOL STUDENTS & LANDSCAPE STAFF

During the Upper School's long-lunch day on Wednesday, May 17th, all of the student body spent approximately thirty to forty minutes pulling out the invasive garlic mustard plants from all over campus. Garlic Mustard is an invasive species that came from Europe and parts of Asia to New York 150 years ago as a planted herb spread by settlers for food value and medicinal purposes. It is now regarded as invasive. Steve Muller, Landscape Supervisor

conveys," if we don't pull garlic mustard, native plants will be choked out of light, water and nutrients." The plant also releases chemicals that are toxic to both butterflies and beneficial fungi. More than 200+ large garbage bags were filled during the annual event." The KW Girls Middle School student pulled 29 bags of the plant within 30 minutes. The Grounds crew will continue pulling this invasive plant throughout the season.

(See Page 8 for more photos)



WORKING TOGETHER: CRANBROOK UPPER SCHOOL STUDENTS & LANDSCAPE STAFF



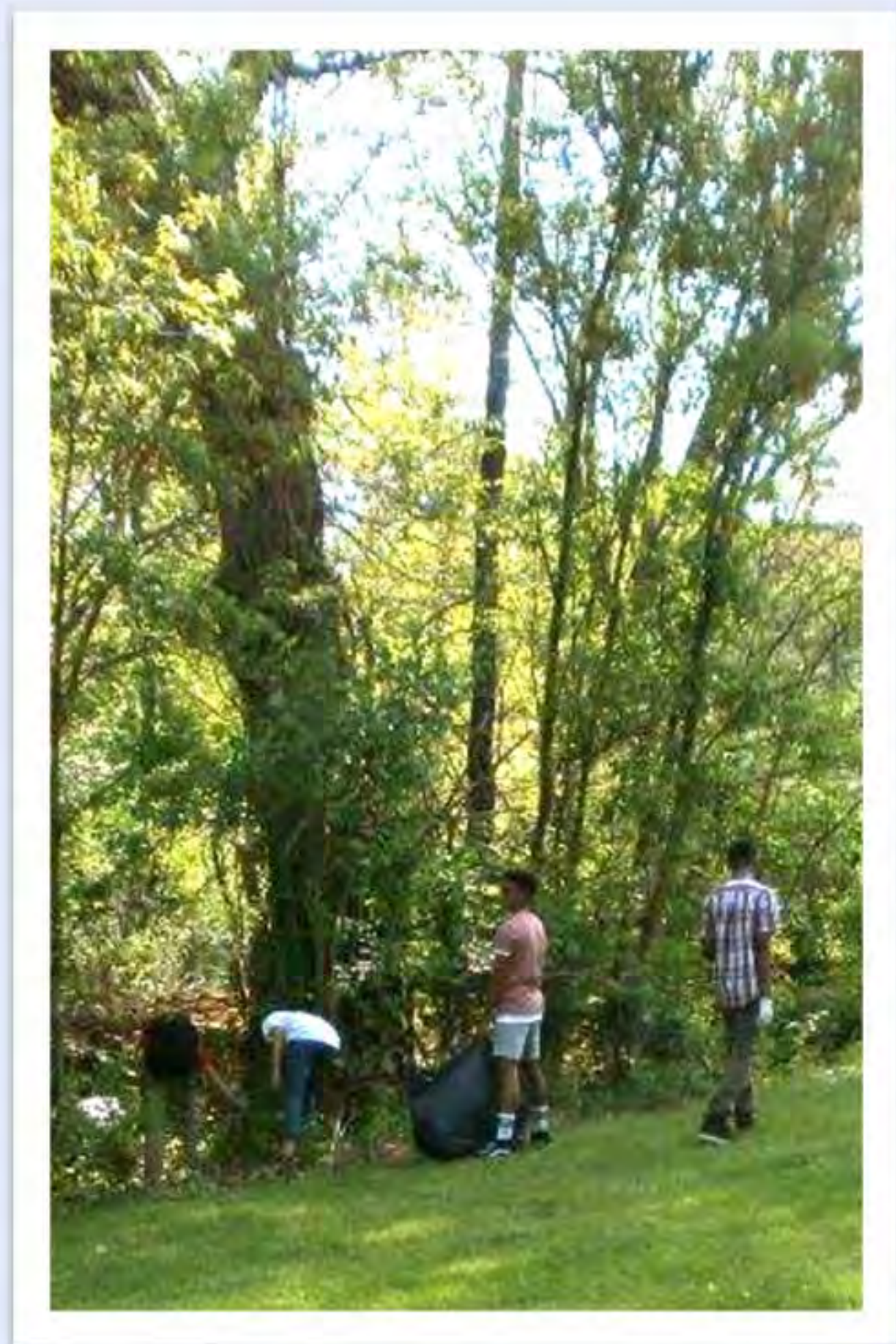
To All,

The Garlic Mustard/weed pull on Wednesday, May 17, was a huge success. Cranbrook Campus came in with a total of 98 trash bags & Kingswood Campus came in with 114 bags - for a grand total of 212 bags. The pictures were taken from both campuses.

Thanks to all who came out,

Steve Muller

Landscape Supervisor



WORKING TOGETHER: CRANBROOK BOYS & GIRLS MIDDLE SCHOOLERS, FACULTY & CRANBROOK INSTITUTE OF SCIENCE

BOYS' MIDDLE SCHOOL ECOSYSTEM CHALLENGE DAY

On May 19, 2017 the sixth graders of both Girls and Boys Middle Schools partnered with members of **Cranbrook Institute of Science** and participated in the 4TH Annual Ecosystem Challenge Day. The students explored the ecosystems found here on campus while rotating through a series of stations. The stations included water sampling in the Rouge River, identifying the macro invertebrate life found residing on campus, participation in the program Biodiversity and You, and competing in a STEM group challenge.

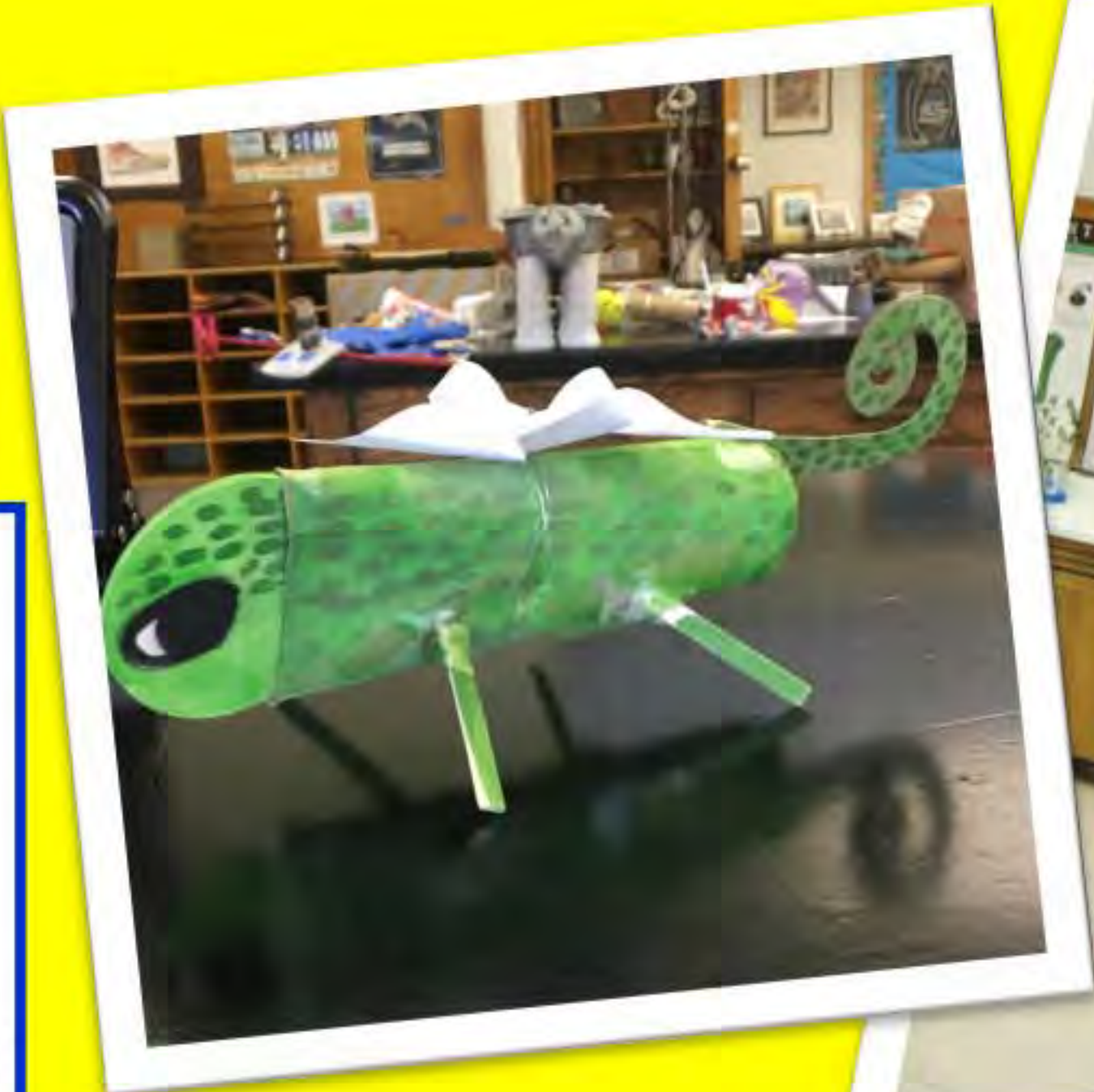
Rita Norkiewicz, Green Team Liaison, Contributing Writer



WORKING TOGETHER: CRANBROOK BOYS MIDDLE SCHOOLERS & FACULTY -EARTH DAY RECYCLE CHALLENGE

Students Meet the Challenge in Science Class

In celebration of Earth Day, the science classes of the 6th grade Boys' Middle School were asked to create an animal solely out of materials found at home. Once they created their animal they had to present their creative creatures to their class explaining interesting features and the purpose in their ecosystem.



WORKING TOGETHER: CRANBROOK SCHOOLS AND CHARTWELLS CONTINUE TO RAISE AWARENESS

“Just eat it! Don’t waste food” —Weird Al

Annual Scrape days are designed to bring awareness to food waste amongst our student population. Chartwells measure food waste two different times each year and each day featuring the same menu. During the first Scrape day, students are not given advance notice of the scraping. During the second Scrape day, the Schools administrators and students help publicize and provide advance notice that Chartwells will be monitoring and measuring plate waste.

During the 2 Scrape days, there were **71.25** pounds of less waste in May versus April.

4/19/17 & 4/20/17 Scrape Day Plate Waste Measurements

Cranbrook – 26 quarts
 Kingswood – 24 quarts
 Vaughan – 14 quarts
 GMS – 32 quarts
Total - 96 quarts

5/24 & 5/25/17 Scrape Day Plate Waste Measurements

Cranbrook – 24 quarts
 Kingswood – 16 quarts
 Vaughan – 9 quarts
 GMS – 18.5 quarts
Total – 67.5 quarts

COO Rod Spearin Language

April 2017 Results

- 96 quarts = 24 gallons
- 1 gallon of water weighs 8lbs, 6oz. Assume food waste weighs 10 lbs. per gallon.
- According to April numbers, one day of food waste = 240 lbs.
- 240 lbs. X 157 school days = **37,680 lbs. of food waste per school year**

May 2017 Results

- 67.5 quarts of waste
- 168.75 lbs. of waste for the day
- 168.75 lbs. x 157 school days = **26,493.75 lbs. of food waste per school year**

“We plan to continue our annual scrape day efforts and **working together** with Cranbrook Schools Administrators and students to heighten awareness and reduce food waste amongst our student population,” said Allison Mitchell.



CK Upper School student celebrates she had zero food waste!



Norma Jean Evans & Allison Mitchell serve as the official Plate Police at the Annual Scrape Day Event.



COMMUNITY WORKING TOGETHER FOR WELLNESS

New Summer & Fall Sessions Coming soon!

Questions: Contact: Bryan Opalko at x 7736 or email: bopalko@cranbrook.edu

*Exercising for a healthier and **sustainable** you!*



Wendy's Tips For A Sustainable Summer

By Wendy DeLaRosa

Wash your car at a car wash. Commercial washes are required to send water to the sewer system for treatment. Washing your car in the driveway can send harmful pollutants into nearby waterways.

Frequent garage sales. This helps reuse and recycle items to those that need them. Your wallet will also thank you.

Install a rain barrel. The water can be used for your lawn and garden. This can save you thousands of gallons of water a year.

Support your local farmers. Not only do you support the local economy and get fresh produce, you are helping the environment by reducing the pollution generated when produce is transported over thousands of miles.

Ride a bike or walk whenever possible. This will be good for the environment as well as your body.



Reduce your carbon footprint. Use natural gas, propane or electric grills rather than charcoal which pollutes our air.

Ditch the picnic waste. Help our planet by replacing paper plates with reusable plastic or china and use cloth napkins as well as metal cutlery instead of plastic. Not only will you be helping the environment, they won't blow away.

Plant a garden. You can enjoy and share the fruits of your labor or learn to can items for the future.

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

Rod Spearin
Chief Operating Officer

Norma Jean Evans, Editor/Publisher
Director, Sustainability & Business Services

Wendy DeLaRosa and Norma Jean Evans
Design Editors

Cranbrook Working Together

Director's Blog: Sustainable YOU

CRANBROOK: A COMMUNITY WORKING TOGETHER!

During my athletic career, I appreciated when the Head Coach shared the Team's compelling vision, strategy, one plan, clear performance goals and strong emphasis on collaboration and teamwork. When my Coach first shared the plan, some of the players started moving in the same direction, while others continued to work (in silos) on their own individual game plans. We received several individual awards, yet we longed for the rewards, connect- edness and strength that is built from true collaboration and teamwork.

During my professional career, I also value when the Leader shares the vision and plan. I recall back in 2010, Presi- dent DiMarco shared his "Working Together Principles" and **Key Obsessions**, one of which is **collaboration and team- work amongst ourselves**. He also shared Cranbrook com- pelling vision and strategic themes. All of which were adopt- ed and nurtured by the Cranbrook Community.

This edition highlights how the Community embraced one plan 7 years ago. During those years, we have and continue to develop meaningful collaborations between divisions and departments and across all levels of the organization.

Today, we are indeed connected and strengthened through our meaningful collaborations. Cranbrook will continue to win individually and collectively by **WORKING TOGETHER!**

Best,

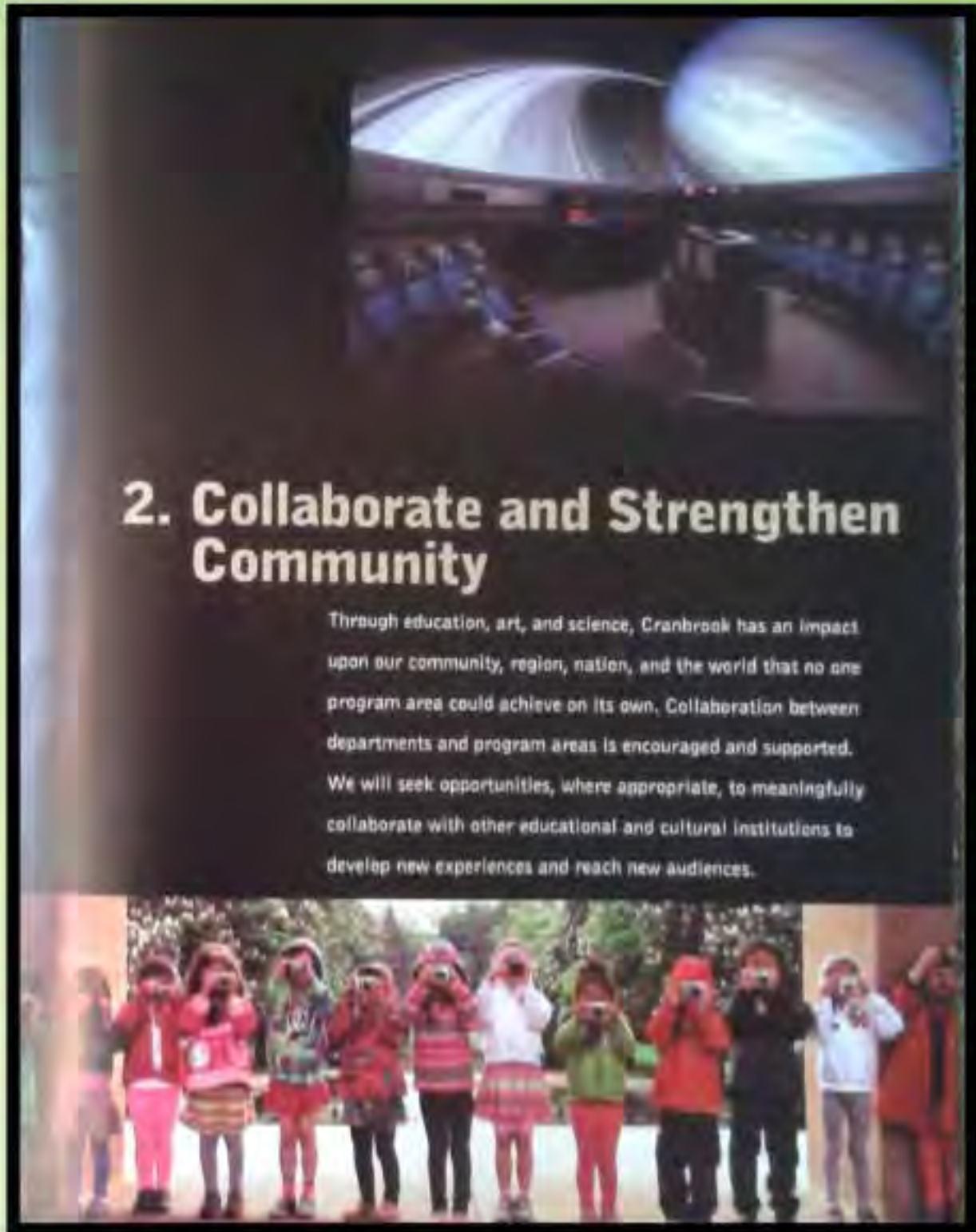
Norma Jean Evans

Director Sustainability & Business Services

**PRESIDENT
DOMINIC DIMARCO'S
WORKING TOGETHER
PRINCIPLES**

- People First
- Everyone is Included
- Compelling Vision
- Clear Performance Goals
- One Plan
- Facts and Data
- Purpose a Plan, Find a Way At- titude
- Respect, Listen, Help and Ap- preciate Each Other
- Emotional Resiliency-Trust the Process
- Have Fun-Enjoy the Journey

August 24, 2010



2. Collaborate and Strengthen Community

Through education, art, and science, Cranbrook has an impact upon our community, region, nation, and the world that no one program area could achieve on its own. Collaboration between departments and program areas is encouraged and supported. We will seek opportunities, where appropriate, to meaningfully collaborate with other educational and cultural institutions to develop new experiences and reach new audiences.

