
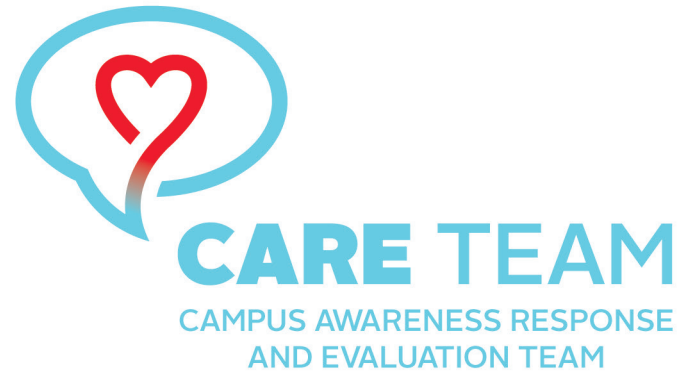


# Matt Detweiler

[www.linkedin.com/in/matthew-d365](http://www.linkedin.com/in/matthew-d365)  
[mattdet.com](http://mattdet.com)



I graduated from the University of Dayton in May 2020 with a Bachelor of Fine Arts in Graphic Design, and with minors in Communication, Visual Arts, Fine Arts, and Sustainability, Energy, and the Environment. My interest in art is what originally lead me to Graphic Design. I am passionate about sustainability, and I hope to make a positive difference with my design work.



# EVERGLADES *National Park*

On reverse: American Crocodiles (*Crocodylus acutus*) can grow up to 20 feet long. They often bask with their mouths open to regulate their body temperature.

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# EVERGLADES

*National Park*



# STOCK-UP WEDNESDAY

*Shop Fresh and Local*

Wednesday,  
November 21, 2018  
11 AM to 3 PM



2<sup>nd</sup> Street Market  
600 E. Second Street  
Dayton, OH 45402  
(937) 228-2088  
marketinfo@metroparks.org

**Regular hours:**

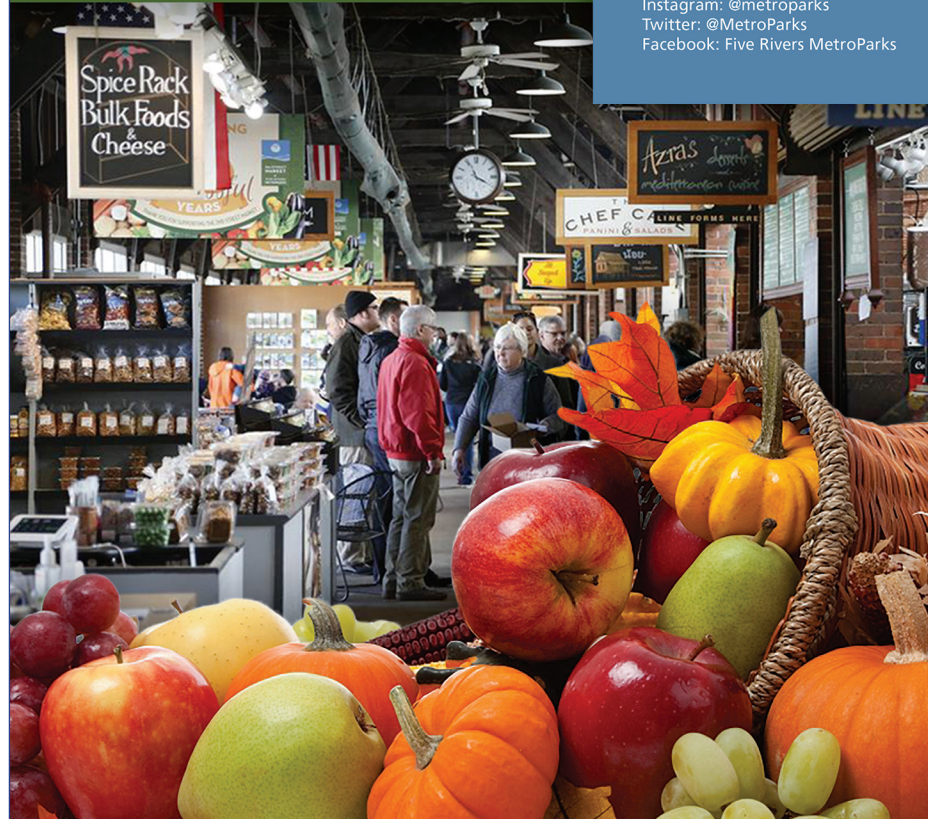
Thursday & Friday 11 AM to 3 PM  
Saturday 8 AM to 3 PM  
New this year! Sunday through  
Dec. 31 11 AM to 3 PM

**Follow us on social media**

Instagram: @metroparks  
Twitter: @MetroParks  
Facebook: Five Rivers MetroParks

The Market will be open to pick up your last minute Thanksgiving needs—bread, turkeys, desserts and more. Many vendors are accepting pre-orders throughout November.

The Market's Homeful SNAP/Produce Perks Exchange booth will be open and tokens can be used at a variety of market vendors.





CINCINNATI  
NATURE CENTER



CINCINNATI  
NATURE CENTER

**BUGS**  
Scavenger Hunt



## MACRO CONSUMPTION

### POLLUTION AND CONSUMPTION ON A MACRO LEVEL

#### Corporate Pollution

- 100 companies are responsible for 71% of greenhouse gas emissions. Some of the top emitters are ExxonMobil, Shell, BP and Chevron.
- Corporations lobby the government for policies that benefit them at the expense of the environment.
- For 36 years, Monsanto Co. discharged millions of pounds of toxic PCB into the landfill, which contaminated the water supply and soil of Armonon, Alabama.

#### Sustainable Development

- Sustainable development is "development that meets the needs of the present without compromising the ability of future generations to meet their own needs." Our (Current) Future generations to meet their own needs." Our (Current) Future generations to meet their own needs."
- Sustainable development is the essence of short term gain, if corporations adopted the principle of sustainable development, pollution and greenhouse gas emissions would decrease.

#### National Water Consumption

- The countries with the most per capita annual water consumption are New Zealand, the United States, Estonia, and Canada.
- An average family in the U.S. uses 52 gallons of water per day. In comparison, the average African family uses five gallons.

#### National Sustainability

- Carbon tax increases the cost of burning carbon-based fuels, which encourages corporations to adopt clean energy.
- It is in the interest of every nation to be more sustainable, so as not to suffer the negative consequences of climate change, such as a lack of water, an inability to grow crops, and flooding towns.

#### WHAT CAN YOU DO?

Email or call your office to meet sustainable leadership.

## THE BIG PICTURE



## MACRO TO MICRO

## MICRO CONSUMPTION

### 10 WAYS TO REDUCE CONSUMPTION ON A MICRO LEVEL

- 1. **Bring a reusable bag to the grocery store.**  
Extra bags just add to the landfill.
- 2. **Wash your clothes in cold water.**  
About 80 percent of the energy used for washing clothes is for heating the water.
- 3. **Eat vegetarian once a week.**  
Reducing your meat intake even once a week can cut thousands of pounds of carbon emissions.
- 4. **Bring a travel mug to your coffee shop.**  
If an individual purchases a disposable cup every day, this creates about 12 pounds of waste per year. PER PERSON.
- 5. **Buy used clothing.**  
Buying one used article of clothing instead of a new one almost halves carbon emissions to the tune of half a ton. A ton can be used to build a house or a road for a year.
- 6. **Unplug your chargers when not in use.**  
Those "energy vampires" continue to eat electricity even when not in use. Doing this for multiple devices adds up quickly.
- 7. **Buy locally.**  
When you buy local, you reduce your environmental impact and pollution.
- 8. **Take public transportation.**  
Car-pool, use your bike, or walk whenever possible. You can both cut down on air pollution and reduce your carbon footprint.
- 9. **Run your dishwasher only when it's full.**  
Your dishwasher can each use a whopping 10-15 gallons of water per cycle. Save water by doing fewer, fuller loads.
- 10. **Cancel junk mail.**  
Receiving unsolicited mail wastes a lot of paper. If you don't need it or use it, cancel it.



# MACRO CONSUMPTION

## POLLUTION AND CONSUMPTION ON A MACRO LEVEL

### Corporate Pollution

- 100 companies are responsible for 71% of greenhouse gas emissions. Some of the top emitters are ExxonMobil, Shell, BP, and Chevron.
- Corporations lobby the government for policies that benefit them at the expense of the environment.
- For 36 years, Monsanto Co. discharged millions of pounds of toxic PCBs into landfills, which contaminated the water supply and soil of Anniston, Alabama.

### Sustainable Development

- Sustainable development is *"development that meets the needs of the present without compromising the ability of future generations to meet their own needs."* (Our Common Future)
- Sustainable development is the opposite of short-term gain. If corporations adopted the principle of sustainable development, pollution and greenhouse gas emissions would decrease.

### National Water Consumption

- The countries with the most per capita annual water consumption are New Zealand, the United States, Estonia, and Canada.
- An average family in the U.S. uses 552 gallons of water per day. In comparison, the average African family uses five gallons.

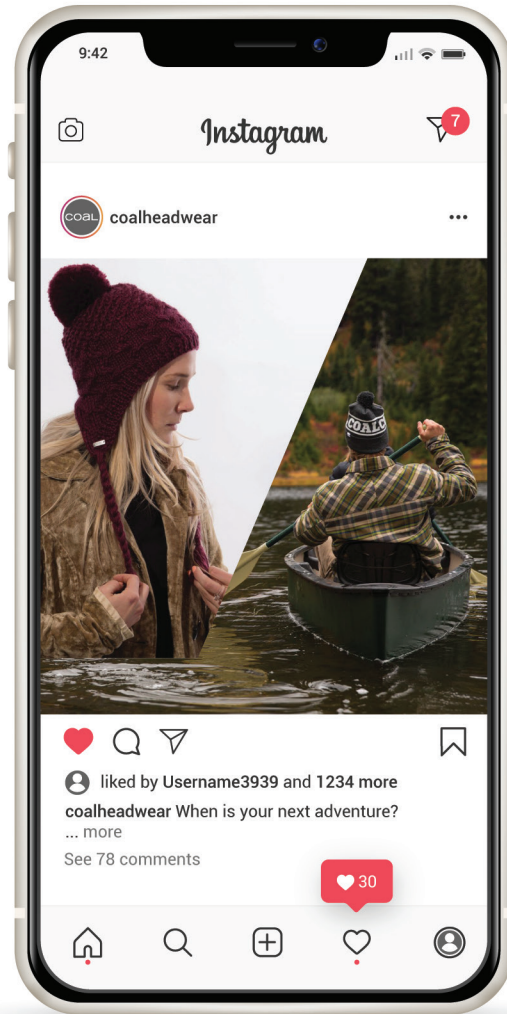
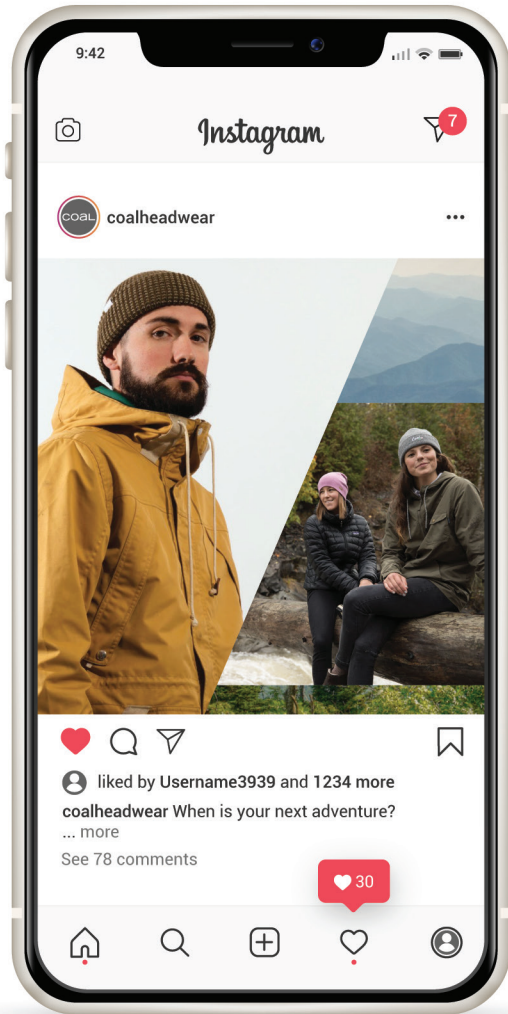
### National Sustainability

- Carbon tax increases the cost of burning carbon-based fuels, which encourages corporations to adopt clean energy.
- It is in the interest of every nation to be more sustainable, so as not to suffer the negative consequences of climate change, such as a lack of water, an inability to grow crops, and flooding coasts.

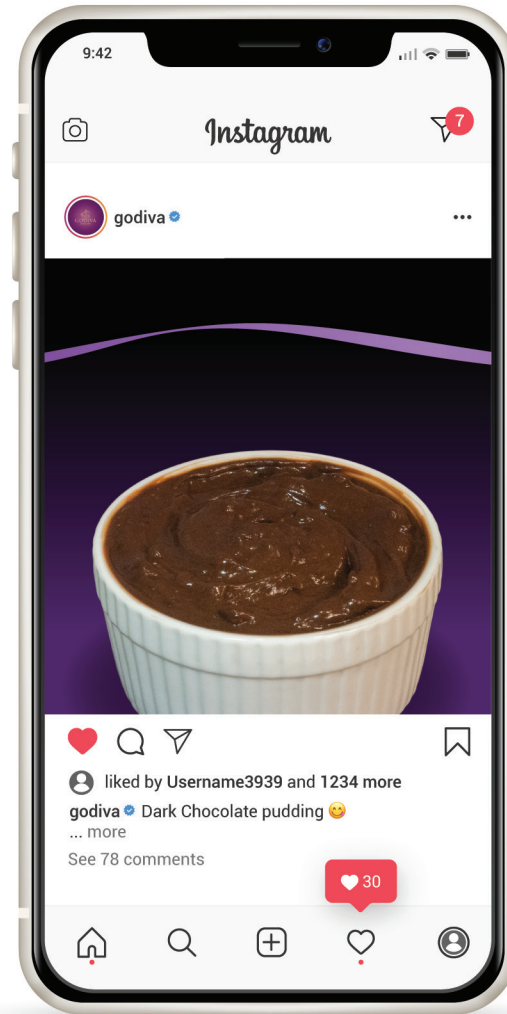
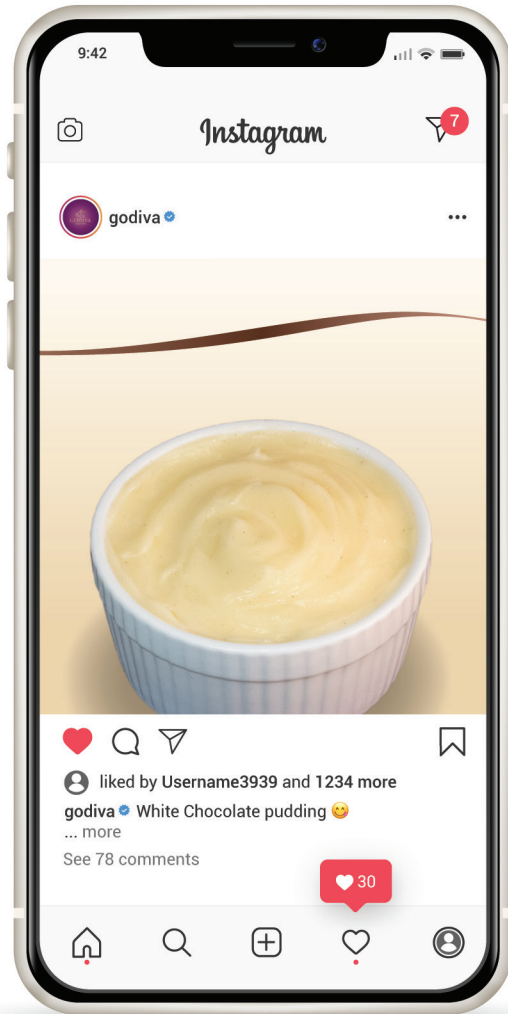
WHAT CAN YOU DO?

**Email or call politicians to enact sustainable legislation.**









Halloween Pack

Collect all four limited edition cans!

TURN THIS BOX INTO A  
PLANTER

THE JAVA MAN  
**COMETH**  
Coffee Stout

THE JAVA MAN  
**COMETH**  
Coffee Stout

THE JAVA MAN  
**COMETH**  
Coffee Stout

THE JAVA MAN  
**COMETH**  
Coffee Stout

THE JAVA MAN  
**COMETH**  
Coffee Stout

7.0% ABV | 30 IBU | 12 FL. OZ.

7.0% ABV | 30 IBU

7.0% ABV | 30 IBU | 12 FL. OZ.

30 IBU | 12 FL. OZ.



Brewed and Canned by The Dayton Beer Company in Dayton, Ohio

Marianist Environmental Education Center  
St. Joseph Hall, Mount Saint John  
4435 Patterson Road  
Dayton, OH 45430-1095

NONPROFIT  
ORGANIZATION  
U.S. POSTAGE PAID  
DAYTON, OH  
PERMIT NO. 71

## Gardening with Native Plants 2019

### Native Plants and MEEC

Use native plants to create a bird and butterfly garden, replace aggressive or invasive species, create a low-maintenance landscape or add reliable blooms to problem areas in your yard. Whether your landscape is sunny or shady, wet or dry, MEEC's native plants will thrive and return year after year. We invite you to mark your calendar for MEEC's Native Plant Events in 2019:

#### MEEC Gardening with Native Plants Workshop

June 18, 2019

9 a.m. – 12 p.m.

Registration forms available online at [meec.udayton.edu](http://meec.udayton.edu) May 1, 2019.

#### MEEC Native Plant Sale

June 22, 2019

8 a.m. – 1 p.m.

Catalog available online at [meec.udayton.edu](http://meec.udayton.edu) beginning June 1, 2019.

#### Midwest Native Plant Conference at Bergamo Center, Mount St. John

July 8 – 10, 2019

Visit [midwestnativeplants.org](http://midwestnativeplants.org) for more information and to register.



MARIANIST ENVIRONMENTAL  
EDUCATION CENTER  
Restoring Communities  
of Land and People

For more information visit:  
<http://meec.center>  
or email [info@meec.center](mailto:info@meec.center)



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Dayton, OH 45430-1095

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## Gardening with Native Plants 2019

### Build Your Butterfly Garden

Beginning a butterfly garden can be as simple as choosing flowering plants that will invite adult butterflies to your garden to feed. The MEEC Native Plant Sale offers more than 40 flowers, grasses, sedges and shrubs to provide plant diversity, attract a wide variety of butterflies and provide a place where butterflies can grow and multiply.

MEEC Native Plant Sale  
June 22, 2019  
8 a.m. – 1 p.m.



For more information visit:  
<http://meec.center>  
or email [info@meec.center](mailto:info@meec.center)



MARIANIST ENVIRONMENTAL  
EDUCATION CENTER  
Restoring Communities  
of Land and People



MARIANIST ENVIRONMENTAL  
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<http://meec.center>





# Gardening with Native Plants

**June 8, 2019**

<http://meec.center>





**WORKING WITH TIME**

The Sculpture of Andy Goldsworthy



The first work that Andy Goldsworthy showed publicly was a circular hole dug outside the Serpentine Gallery in London, in 1976. In 1984, as part of the Serpentine's 'Salon of Autumn', he excavated another hole, this time inside, through the floor of the gallery. Deep, dark holes evoke curiosity even fear of what may be lurking within and their intense blackness suggests a mystery, an enigma or energy. Goldsworthy's excavated holes relate to his fascination for caves and tree hollows but also to the pressure of enclosure, a persistent theme running through his work.

I first met Andy Goldsworthy in 1993, after I had invited him to participate in an exhibition called 'Time Machine' at the British Museum's Egyptian Sculpture Gallery. I recall him mentioning that being giddy about asking him to 'enclose' his art within a museum when his practice of energy and his feeling rather giddy about asking him to 'enclose' his art within a museum when his practice seemed to be all about creating work in the great outdoors. *Sandwork* (1994), a sculpture form running the length of the gallery, and made from thirty tons of sand, was especially the most dynamic feature of the exhibition. True to his commitment to use only local materials, he made a work composed of the same local sand (supplied by a builders' merchant in Clapham) used in the construction of London. Installed in the museum for just three

days, *Sandwork* was completely in character with Goldsworthy's ephemeral outdoor works, yet appropriately strategic, like in the imposing gallery of colonial ancient Egyptian sculptures.

He also used three of the great basalt sarcophagi in the gallery to create other works, a smaller version of *Sandwork* and sculptures made from leaves and broken pebbles. His first response to the sarcophagi was that they would serve as convenient containers to frame and protect his sculptures, but realising that their future function had been to guard the corpse until its burial, he saw how they could be used as a metaphor for resurrection. Placing his contemporary sculpture, particularly one that was using leaves, themselves symbolising growth and new life. Significantly, the ancient Egyptians expected an 'sarcophagus' to 'imbibe' meaning growth, so that the enclosing of a dead body in a sarcophagus was not the acceptance that death is part of birth, death and rebirth, echoes nature's endless cycle of growth, death and rebirth. Many years later, in 2006 Goldsworthy created the *Sarcophagi* form for an installation at Galerie LaSalle in Paris. The construction, in 118, a series of three stacked rectangular stone boxes, each enclosing a small fallen limb from an oak tree while another large branch was embedded in a clay wall behind them. Like the sar-

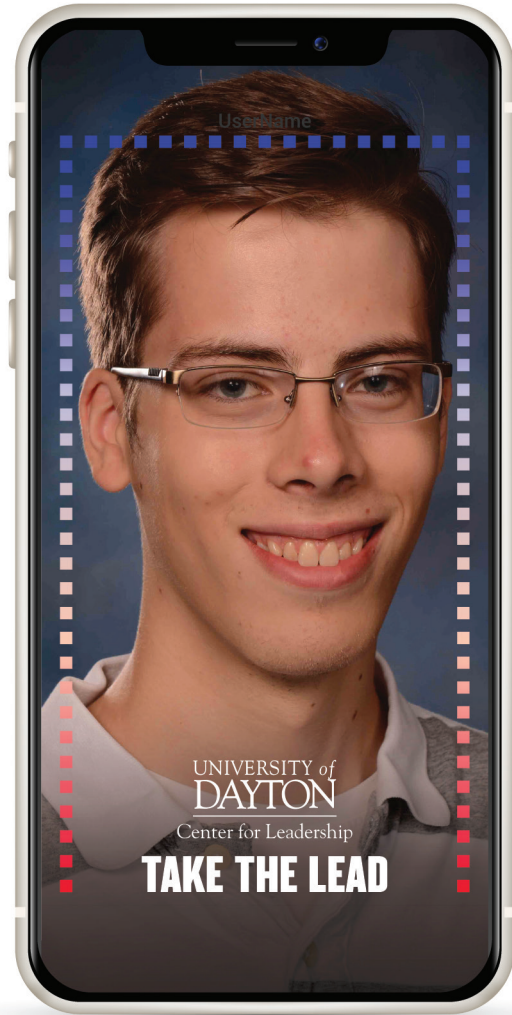
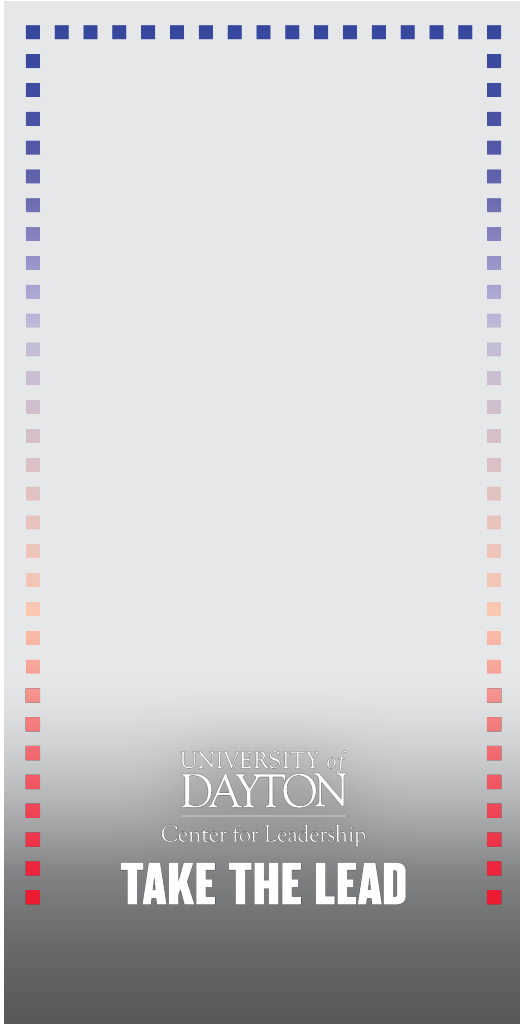
Earth Crack Line  
Yorkshire Sculpture Park  
September 1983

2  
Materials such as earth and ground stone were mixed into small snowballs, which were then left to melt on paper. In 1993, snowball drawings using earth and snow collected from sites around Ben Nevis, Scotland, were taken by Goldsworthy to Japan to combine with snowball drawings from Mount Fuji for exhibition in 'A Meeting of Mountains', Nishigahara, Japan, 1993.

either side of a walled track and are integrated into the dry-stone boundary wall at the corners of the adjoining fields. His restoration of them as a series serves to emphasise the journey of the sheep along the drove route. In each fold a massive boulder has been installed, transported from the nearby fell with a mechanical excavator. Placing these fieldstones within stone enclosures makes them seem precious, almost worthy of veneration as if they were pagan Neolithic monuments. Their enclosure naturally refers to the former capture, protection and shelter of the sheep while they also indicate years of concentrated farming activity; the name Goldsworthy has given to these sculptures is *Drove Stones*. Despite their inherent solidity and strength, the fact of the boulders' enclosure suggests that as receptacles of memory they are vulnerable and need protection, stone being sheltered by stone. This is also intended to challenge our preconceived notion that stone is a fixed and permanent

material since despite its 'solid' own history of movement, the earth's fluid energy.<sup>2</sup>

In one sense the fieldstones are for walling are not truly local, transported over great distances but Goldsworthy wants us to equate the movement of the stone with the movement of the stone with the movement of the same energy as the sheep. The *Sheepfolds Project* is the building up of the walls over time echoes the way in which the *fold*s are embedded in the landscape activity still goes on around centuries. Goldsworthy's pro-





# SUPERVISORY LEADERSHIP CERTIFICATE

# 10

days of training over **6 months** developing key supervisory competencies



**4.56 out of 5** average evaluation score 2011-2018

# 215

certificates awarded in total



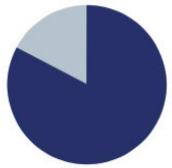
**44%** average competency increase 2015-2018

“

This program has been instrumental in my development and has prepared me well for the challenges and opportunities I have faced since being promoted to my management position. The sessions and the mentor program opened doors to ideas, relationships and networks that have helped me grow as a leader and a person.”

**Krystal Warren**  
Assistant Director for Athletics for Media Relations, University of Dayton

## DID YOU KNOW?



**83% of organizations** agree that leaders should be developed at all levels, but only **5%** have leadership development at all levels.<sup>1</sup>



**Poorly managed groups** are 50% less productive, and 44% less profitable than a group that is well managed.<sup>2</sup>



**What makes an organization compelling to work for?** 35% of those polled said Excellent Training and Development Programs.<sup>3</sup>

<sup>1</sup> <https://www.infoprolearning.com/blog/13-shocking-leadership-development-statistics-infopro-learning>

<sup>2</sup> <http://news.gallup.com/reports/178514/state-american-workplace.aspx>

<sup>3</sup> <https://www.pwc.de/de/prozessoptimierung/assets/millennials-at-work-2011.pdf>



# EMERGING LEADER CERTIFICATE

# 20

days of training over **1 year** developing key leadership competencies



**4.5 out of 5** average evaluation score 2015-2018

# 207

certificates awarded in total



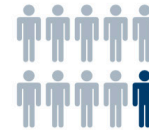
**41.4%** average competency increase 2015-2018

“

The Emerging Leader Program helped me develop the skills and the confidence to take my career to the next level. The top-notch instructors helped us explore a variety of business and leadership tools that I was able to immediately incorporate into my professional life. I left every class energized and ready to take on new challenges.”

**Kelly Geers**  
Dayton Development Coalition, Government Relations Analyst

## DID YOU KNOW?



**25%** of organizations say **less than 10%** of essential leadership roles have successors who are prepared for the job.<sup>1</sup>



**26%** of managers said they weren't ready to become a leader when they started managing others. **58%** said they **didn't receive any management training.**<sup>2</sup>

- HONESTY**
- INTELLIGENCE**
- DECISIVENESS**

**Over 80%** say the leadership traits that matter most are **honesty, intelligence, and decisiveness.**<sup>3</sup>

<sup>1</sup> <https://www.infoprolearning.com/blog/13-shocking-leadership-development-statistics-infopro-learning>

<sup>2</sup> <https://www.careerbuilder.com/share/aboutus/pressreleasesdetail.aspx?id=pr626&sd=3%2F28%2F2011&sd=12%2F31%2F2011>

<sup>3</sup> [http://www.pewsocialtrends.org/2015/01/14/women-and-leadership/st\\_2015-01-14\\_women-leader-ship-2-01/](http://www.pewsocialtrends.org/2015/01/14/women-and-leadership/st_2015-01-14_women-leader-ship-2-01/)



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**Thank you!**

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