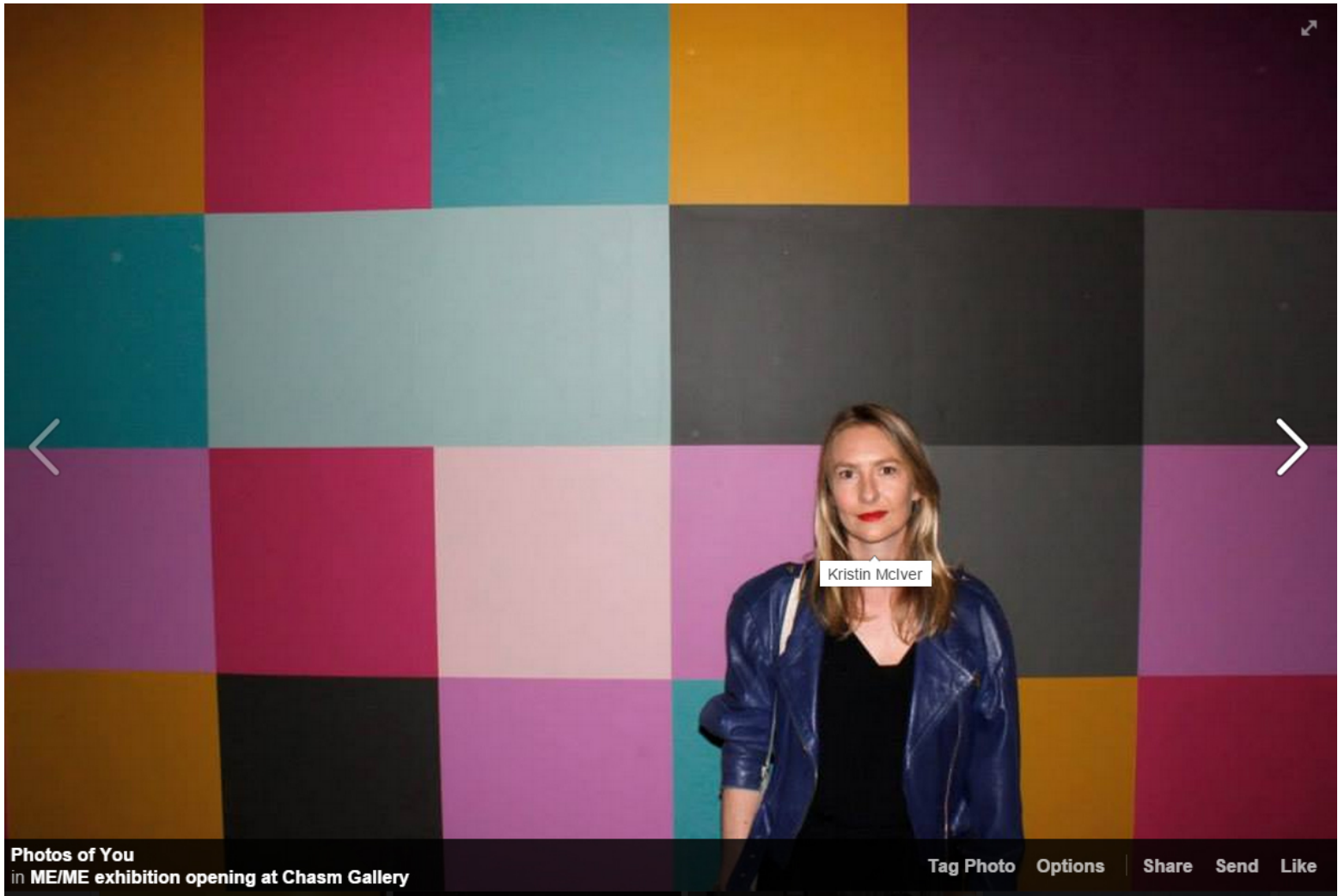


# **THE SELFIE PROJECT - LESSON PLAN**

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&  
Residency Unlimited

The Selfie Project transposes students' Facial Recognition Data (generated via social media networks) into a colorful, abstract, composite "portrait" in the form of a vertical garden.



Face Recognition data: 3668653011322435877723498743348884499798013

The Selfie Project educates students about social media use, data footprints and internet privacy, through a hands-on, collaborative, artistic project using living plants



**PALETTE**

1 = Bachelor Button 2 = Calendula 3 = Chamomile 4 = Flashback Calendula 5 = Indian Blanket 6 = Love in a Mist  
7 = Shirley Poppy Mix 8 = Sparky French Marigold 9 = Spider Flower 0 = Sulfur Cosmos

**Data Sequence : 3668653011322435877723498743348884499798013**

# Week 1 - Introductory session



(a)



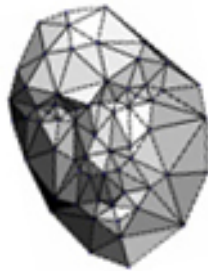
(b)



(c)



(d)



(e)



(f)



(g)

Individual's Unique Face Recognition Data Sequence :  
**3668653011322435877723498743348884499798013**

# **Week 1 - Introductory session**

## **Objectives and Goals**

This session will provide students with an overview of social media, internet privacy, and how they can be more aware of their online data footprint.

Provide students an overview of the local wildflowers and plant varieties, and their personal connection to nature and data.

Summarize the project, the expected outcome, and what will be expected of students.

# Week 1 - Introductory session

## Anticipatory Set

1. An overview of The Selfie Project
2. An understanding of social media and privacy
3. An understanding of nature and our connection to it
4. What we will be doing over the course of the 5 classes
5. What we hope to achieve



# Week 1 - Introductory session

## Guided Practice

1. Introduction to Facial Recognition, internet privacy and data footprints, and how to protect privacy online – 10 mins
2. How Facial Recognition software (biometric surveillance) works – 15 mins
3. The link between nature and data – 5 mins
4. The process of using facial recognition data as a formula to sequence the “palette” of wildflower varieties to create our vertical garden – 10 mins
5. List of wildflower species to be planted (*Bachelor Button, Calendula, Chamomile, Flashback Calendula, Indian Blanket, Love in a Mist, Shirley Poppy Mix, 4 x Sparky French Marigold, Spider Flower, Sulfur Cosmos*) – 5 mins
6. Sustainability and responsibility (the use of recycled bottles) – 5 mins
7. Examples of artists working with face recognition data and/or plants – 5 mins

# Week 1 - Introductory session

## Guided Practice

Wildflower “palette” for vertical garden



1 = Bachelor button



2 = Calendula



3 = Chamomile



4 = Flashback calendula



5 = Indian blanket



6 = Sparky french marigold



7 = Love in a mist



8 = Spider flower



9 = Sulphur cosmos



0 = Shirley Poppy

Example Face Recognition Data Sequence :  
**3668653011322435877723498743348884499798013**

# Week 1 - Introductory session

## Closure

1. Discuss thoughts on privacy and social media use – 10 mins
2. Discuss connection with nature – 5 mins

# Week 1 - Introductory session

## Independent Practice

1. Students will be instructed on how to download their own facial recognition data from Facebook (this can be done at home to protect privacy).
2. Students without a Facebook account, or strict privacy settings, can use a default Faceprint data string (to be provided).
3. Information sheet with further reading/links about data footprints and internet privacy

# **Week 1 - Introductory session**

## **Required Materials and Equipment**

1. Classroom with projector

# Week 2 – Laying Seeds



# Week 2 – Laying Seeds

## Objectives and Goals

Each student will begin to cultivate around 150 seedlings from seed (42-45 are required for each student's final data-portrait).

This higher number will allow for some unsuccessful plant growth and also a higher repetition of certain numbers over others given the random data.

Students will learn about different varieties of local wildflowers, and how to grow and care for plants from seed.

# Week 2 – Laying Seeds

## Anticipatory Set

1. Learn how to grow plants from seed
2. Create a “palette” of wildflower species to be used for the data portrait, labeled 0-9
3. Understand how each wildflower variety will be linked to the data string
4. Germination times of plant species, maintenance and care



# Week 2 – Laying Seeds

## Guided Practice

1. Overview of each wildflower species, and why we have chosen these plants (seasonal, light/shade, size, bloom color, bloom times) – 5 mins
2. Overview of planting and maintenance instructions – 10 mins
3. Students to lay seeds into data “palette” templates labeling each species 0-9 (according to provided instructions) – 50 mins
4. Placing seeds under grow lights – 5 mins

# Week 2 – Laying Seeds

## Closure

1. Discussion regarding maintenance and care of seedlings, handout maintenance schedule sheet – 5 mins

# Week 2 – Laying Seeds

## Independent Practice

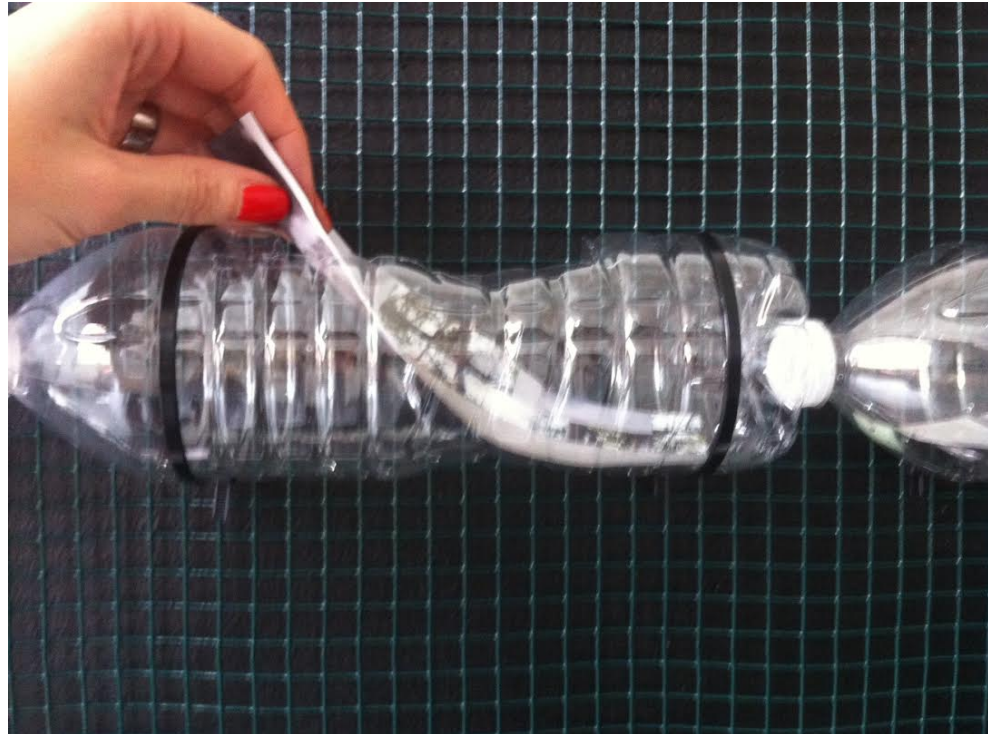
1. Students to look up each wildflower species and their specific care instructions
2. Students to be assigned role in ongoing care and maintenance schedule

# Week 2 – Laying Seeds

## Required Materials and Equipment

1. Seed packets, 12 x 10 species (100 seeds in each) - \$2.36 each - \$283  
*(Hudson Valley Seeds - 4 x Bachelor Button, 4 x Calendula, 4 x Chamomile, 4 x Flashback Calendula, 4 x Indian Blanket, 4 x Love in a Mist, 4 x Shirley Poppy Mix, 4 x Sparky French Marigold, 4 x Spider Flower, 4 x Sulfur Cosmos)*
2. Seedling trays (2 x 72 cell trays per student, 144 seedlings) - \$50
3. Seed starting mix - \$60
4. Grow lights (existing)
5. Water mister - \$5

# Week 3 – Preparation for planting



# Week 3 – Preparation for planting

## Objectives and Goals

To learn about environmental sustainability by recycling plastic bottles to use  
as planter pots

To learn practical skills about growing plants, and problem solving by  
transforming on functional object into another

Learn basic requirements for growing plants in small spaces

# Week 3 – Preparation for planting

## Anticipatory Set

1. Learn how to transform bottles into planter pots using basic tools
2. Learn requirements of plants grown in pots

# Week 3 – Preparation for planting

## Guided Practice

1. Basic introduction into recycling, and environmental sustainability – 5 mins
2. Ideas about growing plants with limited space (with examples) – 5 mins
3. Students to prepare bottles for planting (cut large openings in top (side) of bottles to allow plant growth, pierce holes in bottom (side) of bottles to allow water drainage) – 50 mins
4. Line with newspaper to prevent soil loss – 10 mins



# Week 3 – Preparation for planting

## Closure

1. Questions – 5 mins

# Week 3 – Preparation for planting

## Independent Practice

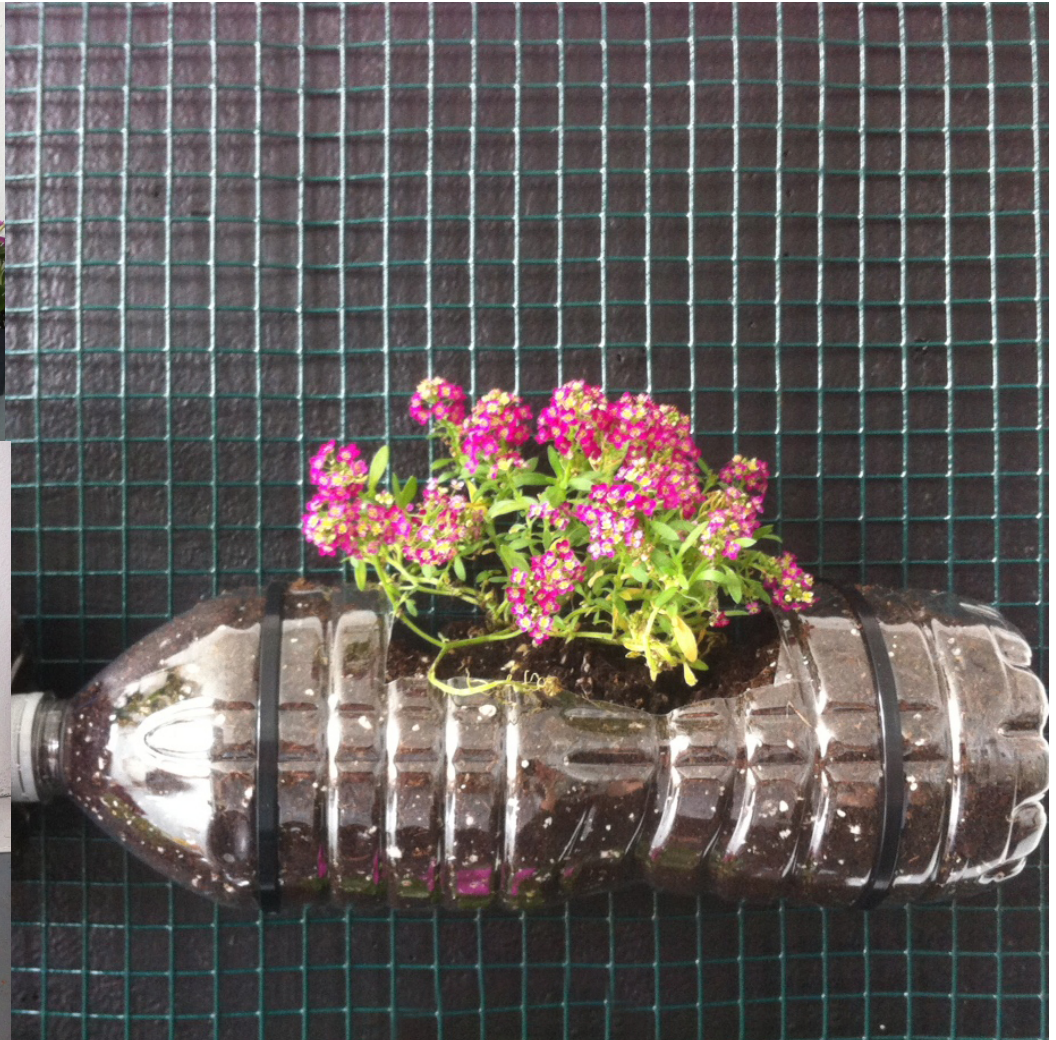
1. Students to examine their own face recognition data string and work out how many of each data set (0-9 numbers are required) for their unique string

# **Week 3 – Preparation for planting**

## **Required Materials and Equipment**

1. Recycled bottles – 45 per student (1 QT bottles, same size if possible)
2. Large Box cutters
3. Small box cutters
4. Newspaper

# Week 4 – Transplanting seedlings



# **Week 4 – Transplanting seedlings**

## **Objectives and Goals**

To learn how to plant and grow wildflowers

# Week 4 – Transplanting seedlings

## Anticipatory Set

1. Learn basic horticultural techniques
2. Learn requirements of plants grown in pots
3. Assign and label plants to data set (0-9)

# Week 4 – Transplanting seedlings

## Guided Practice

1. Demonstration – 5 mins
2. Students to plant wildflower seedlings into prepared recycled planter pots (fill with soil, transplant seedling, add mulch, repeat for each plant x 45) - 60 mins
3. Label wildflower species with assigned data set (a number from 0-9) – 5 mins
4. Watering plants – 5 mins

# Week 4 – Transplanting seedlings

## Closure

1. Questions



# Week 4 – Transplanting seedlings

## Independent Practice

1. Students can take home excess seedlings and repeat process at home to create their own flower gardens.
2. *Technician will need to attach mesh to wall in preparation for transfer to vertical garden for next week's class*

# Week 4 – Transplanting germinated seedlings

## Required Materials and Equipment

1. “Soil-less” Potting Mix (*54 cubic ft wholesale bulk*) – \$399
2. Mulch (how much) - \$100
3. Trowels (these can be made from spare bottles)
4. Masking tape, markers for labeling
5. Gloves x 15 -
6. Watering can / mister - \$5

# Week 5 – Building Vertical Garden



# Week 5 – Building Vertical Garden

## Objectives and Goals

To learn how to create their own “self-portrait” from their facial recognition data,  
using it as a formula to sequence the order of the flower species

Learn how to collaborate to make a composite self-portrait with the entire class

Learn importance of role of individual within a community and teamwork  
via participation in a group self-portrait

# Week 5 – Building Vertical Garden

## Anticipatory Set

1. Practical skills to create a vertical garden
2. Sequencing of plants to face recognition data string

# Week 5 – Building Vertical Garden

## Guided Practice

1. Demonstration – 5 mins
  2. Students assigned section of vertical garden – 5 mins
  3. Students to attach labeled flower pots to mesh wall using cable ties, following the numerical order of their data sequence  
(eg **3668653011322435877723498743348884499798013**) – 55 mins
1. Watering plants – 5 mins

# Week 5 – Building Vertical Garden

## Closure

1. Questions

# Week 5 – Building Vertical Garden

## Independent Practice

1. Ongoing maintenance schedule and roster



# Week 5 – Building Vertical Garden

## Required Materials and Equipment

1. *Timber lengths for frame to attach mesh - \$200 (technician)*
2. *Wire mesh (50 ft – up to 2m per student) - \$200 (technician)*
3. *Fixings (nails, screws, staples) – (technician)*
4. Cable ties to attach pots to wire (24 x 100 pack - \$5.70) – \$220
5. Heavy duty scissors to cut cable ties
6. Fertilizer – \$40