



Designing Educational Space to Grow  
Creative Learning



## 1. Turning & Exploring the Soil

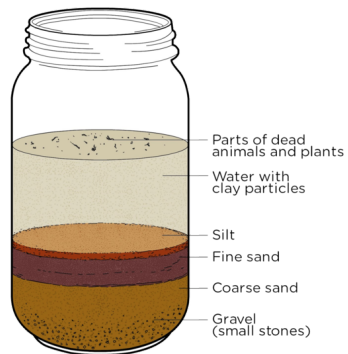
What happens on your first dig?





## 2. Turning & Exploring the Soil

What is in your soil? Is it ready?



## 3. Know Your Seeds & Your Goals

What makes each seed unique?





#### 4. Know Your Seeds & Goals

What will your garden become?



#### 5. Plans to Grow & Self-Sustain

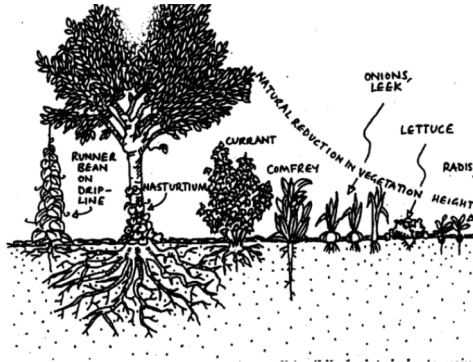
Can the system become self-directed?



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## 6. Plans to Grow & Self-Sustain

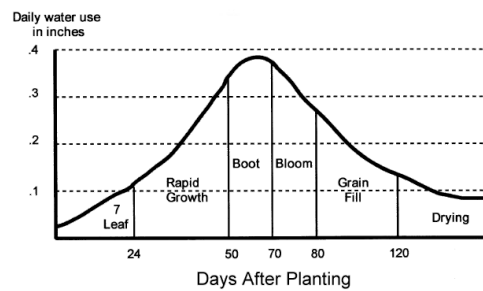
How will each zone support one another?



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## 7. Plans to Grow & Self-Sustain

When are fertilizer and water needed?







## 8. Co-Create and Observe

How do you collaborate with the elements?



## 9. Co-Create and Observe

What do you notice? What is needed?



+ 10. Let the Garden Do the Work  
How does each plant grow separately, together?



+ 11. Harvest and Reflect  
When you harvest, what do you find?

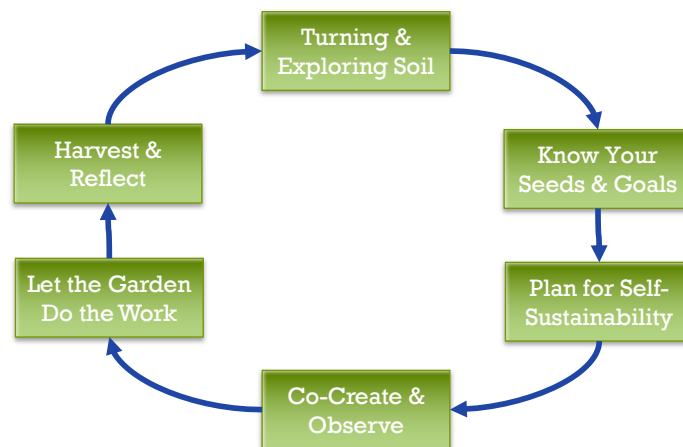




## 12. Harvest and Reflect— What new zone will you cultivate?



## Creative Learning Design Cycle



## + Cultivating Creative Learning



### **Soil**

- School culture and systems for learning

### **Seeds**

- Unique talents, interests, and cultures of students

### **Garden designs**

- Art and academic disciplines

### **Water**

- Creative engagement feeding students daily

### **Fertilizer**

- Studio Habits of Mind boosting growth

### **Garden zones**

- Different learning environments in school

### **The harvest**

- Student performance of skills and ideas

## + ArtCore: Turning & Exploring



### **Oaklea**

- Need for visual arts class for students and eager students

### **Kelly**

- Seeking renewal for PILOTS unifying framework

### **Hamlin**

- New building designed as a *STEAM* school

### **Network Charter**

- Strong music program recently dissolved and arts integration happening across content areas

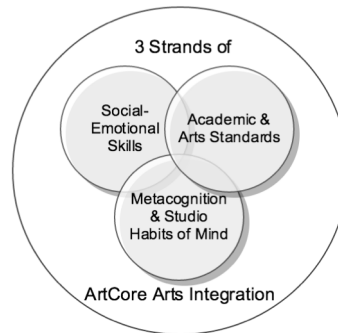
### **Cascade**

- New faculty and new administration open to new approaches

## + ArtCore: Know Your Seeds and Goals

### 3 Strands of Arts Integration

1. Metacognition and Studio Habits of Mind
2. Social and Emotional Learning
3. Arts and Academic Standards



## + ArtCore: Plan to Self-Sustain

### **Kelly**

- PILOTS unifying framework explored and assessed

### **Network Charter**

- Providing consistent opportunities to express creativity

### **Oaklea**

- Teach SHOM explicitly through a theme of self-identity

### **Hamlin**

- Transferrable skills in physical communication workshop

### **Cascade**

- SHOMroom activities to practice SHOM deliberately

+ Hamlin: Let the Garden Do the Work



+ Cascade: Let the Garden Do the Work



## + Oaklea: Let the Garden Do the Work



## + Network: Let the Garden Do the Work





## + Kelly: Let the Garden Do the Work



## + ArtCore: Harvest and Reflect

### **Kelly**

- PILOTS nominations and coloring books at Howard

### **Oaklea**

- Oaklea ArtCore Presentations & SHOM self-assessment

### **Hamlin**

- Theatrical science performances

### **Cascade:**

- ArtCore Greek Pentathalon

### **Network Charter:**

- Artwork exhibited at ArtCore PopUp

## + Unshakeable Sense of Possibilities



## + Image Credits

- Shovel: <http://besttranslationservices.com/tiny-translation-mistakes-that-lead-to-huge-problems/>
- Seeds: <http://www.thriftyfun.com/Saving-Seed-from-Hybrid-Plants-1.html>
- Soil: <http://www.thunderboltkids.co.za/Grade5/04-earth-and-beyond/images/gd-0035.png>
- Garden type 1: <http://www.epicgardening.com/wp-content/uploads/2015/05/vertical-garden.jpg>
- Garden type 2: <http://www.onedaynever.com/vegetable-garden-plan-for-beginners.html>
- Garden type 3: <https://s-media-cache-ak0.pinimg.com/736x/a0/56/2a/a0562a9384c50ff102bbb4f39701e1b.jpg>
- Garden type 4: [https://c6.staticflickr.com/5/4114/4879113397\\_2a74fea730\\_z.jpg](https://c6.staticflickr.com/5/4114/4879113397_2a74fea730_z.jpg)
- Permaculture 1: <https://halifaxgardennetwork.wordpress.com/2012/05/08/garden-talk-permaculture-and-food-forest-gardens/>

## + Image Credits

- Permaculture 2: <http://imgur.com/a/aTPS8>
- Watering schedule:  
<http://www.soilcropandmore.info/crops/sorghum/wateruse.gif>
- Hands digging: <http://ritapal.info/>
- Watering: <http://www.wikihow.com/Plant-Your-First-Garden>
- Garden box: <http://www.harvesttotable.com/wp-content/uploads/2009/04/Companions-in-the-garden1.jpg>
- Veggie basket: <https://www.growjourney.com/wp-content/uploads/2015/03/organic-garden-harvest.jpg>
- Front yard: <http://www.treehugger.com/lawn-garden/stay-home-dad-wins-right-front-yard-vegetable-garden.html>
- Rooftop garden:  
<http://www.cnn.com/2015/04/15/travel/amazing-gardens/>