



**TIME:** Four - 50 min classes

**GRADES:** 9 - 12

**OBJECTIVE:**

To understand how to generate ideas through hands-on processes within constraints

**MATERIALS NEEDED:**

2 Sheets Drawing Paper,  
Pencil, Eraser, Scissors,  
Tape, Straight Edge,  
Circular object to trace  
approx 2" in diameter

**VOCABULARY:**

*Iterative* - involves repeating a process or set of instructions again and again, each time applying it to the result of the previous stage  
*Ideation* - the act of forming ideas or thoughts  
*Innovation* - new ideas or ways of doing things

**ESSENTIAL QUESTIONS:**

- In what ways does this activity challenge your set ways of thinking?
- What is the benefit of having limitations within creative thinking?
- How is ideation essential to the creative process?

**OVERVIEW:**

The process of ideation begins with unlimited imagination. This activity will test student's imagination and creativity by using simple materials and processes to try and generate many different ideas within constraints.

**LESSON OUTLINE:**

1. Have students watch video and do the Creativity Circles activity to begin actively understanding ideation. Color in and cut out their designs.
2. Continue with paper-folding flowers using Creativity Circles. Learn how to create 3 different iterations of the flowers out of the same shape
3. Expand on the activity by seeing how many iterations of flowers you can create using the same circular shape.
4. Self-reflective journaling prompt + group discussion: What is the benefit of having limitations within creative thinking? Gallery walk and share out of paper flowers.



**"CREATIVITY IS THINKING UP NEW THINGS. INNOVATION IS DOING NEW THINGS."**

- THEODORE LEVITT