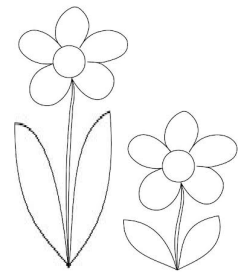# Genetic Flowers

If a tall plant with long leaves, red petals and a yellow center was crossed with a short plant with short leaves, white petals and an orange center, what could their offspring look like?

Roll a 10 sided Die to create your new

Height	Leaf size	Color of Petals	Color of Center
Short - 1, 3, 7	Big - 0, 2, 4, 5, 6, 8, 9	Red - 1, 3, 5, 7, 9	Yellow - 1, 3, 5, 7, 9
Tall - 0, 2, 4, 5, 6, 8, 9	Small - 1, 3, 7	White-0,2 Pink- 4, 6, 8	Orange - 0, 2, 4, 6, 8

Create your first Flower:

Height	Petals
Leaves	Center

Draw your flower:

1. Did your guess at the beginning come true? _____

2. What was the same? _____

_____

_____

3. What was different from your guess and the flower you

created? _____

_____

_____

You will be creating 2 more flowers on the back side. How do you predict the new flowers will compare to the one you just created?

Genetic Flowers Continued . . .

Roll a 10 sided Die to create your new flower

Height	Leaf size	Color of Petals	Color of Center
Short - 1, 3, 7	Big - 0, 2, 4, 5, 6, 8, 9	Red - 1, 3, 5, 7, 9	Yellow - 1, 3, 5, 7, 9
Tall - 0, 2, 4, 5, 6, 8, 9	Small - 1, 3, 7	White-0,2 Pink- 4, 6, 8	Orange - 0, 2, 4, 6, 8

Create your Second Flower:

Height	Petals
Leaves	Center

Draw your flower:

1. Did your guess on the bottom of side one come true? ____

2. Compare Flower 1 & 2 What was the same? _____

_____

_____

3. Compare Flower 1 & 2 What was different?

_____

_____

_____

Create your Third Flower:

Height	Petals
Leaves	Center

Draw your flower:

1. What is similar and different from all three flowers ?

   Petals: _____

   _____

   Height: _____

   _____

   Leaves: _____

   _____

   Center: _____

   _____

2. How were they the same or different from their parents?

   _____

   _____