SEED BOMB
Mini Challenge

Problem Scenario:
The gardener has seeds that need to be preserved in a SEED Bomb. The bomb needs to maintain the virility of the seed while being stored to be used at a future time. The seeds must be able to be stored in room temperature surroundings without germinating.

Challenge:
Create a medium that can be planted in the future that will house and maintain the efficacy of the seeds that you choose for an undetermined length of time.

Criteria/Supplies:
• Seeds (from a tomato, apple, wildflowers, etc)
• Be able to explain the medium that is being used and the preservation values.
• How long will the bomb be able to be stored and how will you show that length of time?

1. Brainstorm: Use the space below to brainstorm the design and approach to building a seed bomb.
   • How does a plant grow?
   • What does a plant need to survive?
   • Why would we need to keep a seed viable for a long time before planting?
   • What does it mean to preserve something?
2. Design:
Draw a picture of your seed bomb and how you’ve preserved the seeds. Identify each element and how that element helps preserve the seeds.

3. Build:
What does your seed bomb look like? Where will you keep it?

4. Evaluate:
Keep track of the growth of the plants. What happens if the plants don’t grow?

5. Modify:
Try different types of materials to make the seed bombs.

6. Share:
Share your creation on Social Media!
Tag us on Facebook, Twitter or Instagram @pastfoundation
Use the hashtag #ThisIsPAST or #DesignThinking