





Wildflower Seed Bombs

Learning outcomes:


KS1

- Identify and describe the functions of different parts of flowering plants, including roots, stems, leaves, and flowers. Through the activity of making seed bombs, students can observe and discuss the various components of plants. They will learn about the importance of roots for absorption, stems for support, leaves for photosynthesis, and flowers for reproduction.
 - Observe and describe how seeds and bulbs grow into mature plants. By creating seed bombs with wildflower seeds, students can witness the growth process as they sow the seeds and later observe the sprouting of plants. This hands-on experience enables them to understand the life cycle of plants and how seeds develop into mature plants over time.
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KS2

- Recognise the importance of plants for the environment and the role of pollinators. During the seed bomb activity, students can explore the significance of wildflowers in supporting the environment and promoting biodiversity. They can discuss the role of pollinators, such as bees and insects, in the reproduction and survival of plants. This knowledge fosters an understanding of the interdependence between plants and animals in ecosystems.
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Get ready to create some magical seed bombs! Seed bombs are incredible little spheres made of clay, compost, and seeds. They are like tiny treasures that can be thrown onto a flower bed; before you know it, they will burst into life with beautiful plants. In this exciting activity, we will use wildflower seeds to make our seed bombs. And what better time to do it than in spring? So they can bloom into a vibrant garden during the sunny days of summer. Let's embark on this nature-filled adventure and bring some colour and life to our surroundings with these fantastic seed bombs!



Contents included:

- Bottle of powdered clay
- Wildflower seeds
- 10 coir discs – leave the rest for the cress growing activity




Contents not Included:

- Bowls (one for each child)
- Spoons (one for each child)
- Large bowl or bucket
- Water



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Instructions:

1. Gather the class and initiate a lively discussion about the significance of flowers, especially wildflowers, for the environment. Talk about exciting campaigns like "no mow May" and emphasise the crucial role of flowers in providing habitats for insects and bees. Excite the students about the upcoming activity of creating wildflower seed bombs. 
2. Take a larger container and add the 10 coir discs to it. If necessary, perform this step in batches to accommodate the container size. Gradually add water to the discs, allowing them to expand fully and transform into nutrient-rich compost, creating the perfect growing medium for our seed bombs.
3. Ensure each student has a bowl and spoon for mixing the seed bomb mixture.
4. Equally distribute the wildflower seeds among the students by pouring them directly into their individual bowls. Each student should receive approximately 1 tablespoon of seeds.
5. Add 1.5 tablespoons of powdered clay and 3 tablespoons of compost to each student's bowl alongside the seeds. This combination of materials will provide the necessary ingredients for our seed bombs. 
6. Instruct the students to thoroughly mix the contents of their bowls, ensuring that all the ingredients are well combined. Encourage them to use their hands to shape the mixture into compact balls, exerting gentle pressure to ensure they hold together firmly.
7. Find a warm, sunny spot to allow the seed bombs to dry for a few days. This drying period will give the seed bombs strength and stability, ready for their mission to bring vibrant wildflowers to the world.
8. Once the seed bombs are dry, it's time to unleash their power! Find an appropriate outdoor area where the children can throw their seed bombs. Encourage them to throw the seed bombs gently to disperse the seeds across the area. 
9. Remind the students to water the seed bombs regularly, taking care to observe their growth and development. Encourage them to marvel at the transformation as the seeds sprout and vibrant wildflowers emerge, adding beauty and life to the environment around them.

By following these numbered instructions, the students will have the opportunity to create remarkable wildflower seed bombs that will contribute to a more colourful and biodiverse world. Let's embark on this adventure and positively impact our environment!

Vocabulary: wildflowers, environment, compost, seeds, germination, growth, habitats, pollinators, biodiversity, sprouting.