

Seed Survivor for Students

Giganteus Sunflowers



Discover what it takes for seeds to survive and grow into healthy plants to make healthy food for you and me to eat!

Get the following materials ready:

- One Seed Survivor cup or similar container (about 750 mL or 12oz in size)
- Nutrient rich soil. Potting soil is a great option (enough to fill the cup about $\frac{3}{4}$ full).
- Two giganteus sunflower seeds
- A tablespoon (if completing the activity at home)

1. Let's see what you already know about what it takes for a seed to survive. Complete the **pre-activity** sheet to find out what you know and what new things you will soon discover.
2. Go to this link <http://seedssurvivor.com/just-for-teachers/virtual-seed-survivor-presentation/> Choose the option called, 'Sunflower Giganteus.'
3. Watch the video. At 4:10 in the video, it is planting time! Follow along with Brent and start and stop the video as needed to plant your seeds and answer these questions:
 - i. Why did Brent say to plant only two seeds?
 - ii. Why did you need to space the seeds far apart?
 - iii. Plants need water.
 - a. How often should you water your sunflowers?
 - b. How much water should you use each time?
 - c. What should your soil feel like?
 - iv. Where should you put your cup at home?
 - v. How long before your seeds sprout?



vi. How big should your plant be when you transplant it?

vii. How large can giganteus sunflowers grow if properly cared for?

4. Watch the rest of the video.

Pssst...You can find more tips, growing advice or submit your sunflower pictures on www.SeedSurvivor.com

5. Let's test your Seed Survivor knowledge. Complete the [Seed Survivor crossword](#).

6. Let's play. Try out the games at <http://seedsurvivor.com/just-for-kids/games/>. Record your scores in the chart below.

Game	Your Top Score
Nutrients for Life	Yield /5 Economic /5 Environment /5
Career Match	/6
Farm-to-Fork	Number of puzzles completed:
Survivor Soak	
Pick-a-Food	
The Oxygenator	
A-Maze-ing Underground	Your Score: Ideal Score:
SoilTris Game	Final Score:
Survive with Light	/10
Photosynthesis	No score. Describe one thing you learned instead:
Watershed Explorer	Did you find all the hidden specimens (plants, animals, insects)? Yes No If so, how many were there?
Watershed Detective	How many samples did you find a solution for?

7. Let's see what you know now that you are a Seed Survivor Expert. Complete the [post-activity sheet](#).

We hope you had fun learning more about growing healthy plants and the importance of agriculture with Seed Survivor. Have fun watching your sunflowers grow!