

## **Survivor MBG: Plant Adaptations Teacher Information Sheet**

### **Part 1 – At School**

**Lesson Time:** 60 minutes

**Classroom Set-Up:** Six tables or groups of desks will be needed for this station lesson.

**What to Expect:** The instructor will review what the students know about plants and about how plants adapt to their environments. Then, the students will be divided into six groups and rotate through six different plant stations. Each student will be given a journal and asked to write down their observations about each plant. The goal for each group is to try and figure out what special plant adaptations that particular plant has to help it survive in its environment. Once all of the stations have been visited, the students will share their answers and observations about each plant. The instructor will point out the various plant adaptations each plant has to survive in its special environment.

### **Part 2 – Field Trip at Garden**

**Lesson Time:** 120 minutes

**Before Your Arrival:** Students should wear name tags, have their journals with them, be pre-divided into groups with chaperones, and be dressed for the weather.

**What to Expect:** The instructor will take their group through the entire Missouri Botanical Garden. The students will have a chance to see how different plants adapt and survive in different environments. The students will spend about an hour and forty-five minutes outside for this part. The last fifteen minutes will be spent inside planting a cactus and/or succulent to bring home.

### **Part 3 – At School**

**Lesson Time:** 60 minutes

**Classroom Set-Up:** Two tables or groups of desks will be needed for craft supplies.

**What to Expect:** The instructor will review with the students what special plant adaptations they saw at the garden. Then, the students will be asked to work in groups to create their own plant. The groups will create a plan that shows what the plant will look like, where it lives, and what special adaptations it has to survive in its environment. Once the plan is approved, the groups will work together to create their plant out of various craft supplies. Once all of the plants have been created, the students will share their new creations with their classmates through a presentation.

### **Cost**

\$100 for a class (up to thirty students), plus \$3 supply fee for each student.

If your school would like to book for more than one class, each additional class (presentation) will cost an additional \$30, plus \$3 supply fee for each student.

Example:

Mrs. Jones and Mr. Smith want to book the class. Mrs. Jones has 22 students and Mr. Smith has 27 students. The total cost for this program would be:

|   |                                  |
|---|----------------------------------|
|   | \$100 (first presentation)       |
|   | \$30 (additional presentation)   |
|   | \$66 (supply fee for Mrs. Jones) |
| + | \$81 (supply fee for Mr. Smith)  |
|   | <hr/>                            |
|   | \$277 for entire program         |

**Please Note: Transportation to the Garden and related costs are the responsibility of the school.**