

Name: _____

Date: _____

ADVENTURE ENGINEERING- “Lost in the Amazon”
LESSON 2: Supplies



Activity Title: “What to Bring?”

Now that you’ve decided where you are going and figured out about how long it will take, you must decide what to take with you. You start to think about all that you will need. What will you take? Will you have everything you need to survive the trip to Manaus?

Procedure:

Look at the list below to see what supplies survived the plane crash. In your group, mark all the items in the list below that you think are important for survival in the Amazon Rainforest.

- | | |
|--|---|
| matches (0.1 lb, 0.045 kg) | airline blankets (1 lb, 0.454 kg) |
| chlorinated tablets (0.1 lb, 0.045 kg) | kitchen pots (1 lb, 0.454 kg) |
| plastic utensils (0.1 lb, 0.045 kg) | maps (1 lb, 0.454 kg) |
| scotch tape (0.1 lb, 0.045 kg) | bottles of water (1 lb, 0.454 kg) |
| coffee filters (0.1 lb, 0.045 kg) | first aid kit (2 lb, 0.908 kg) |
| plastic cups (0.1 lb, 0.045 kg) | suitcases (2 lb, 0.908 kg) |
| decks of cards (0.1 lb, 0.045 kg) | seat floatation pads (2 lb, 0.91 kg) |
| gum (0.1 lb, 0.045 kg) | books about the Amazon (2 lb each, 0.91 kg) |
| pillows (0.25 lb, 0.11 kg) | medium sized water bottles (2 lb, 0.91 kg) |
| compass (0.25 lb, 0.11 kg) | backpacks (2 lb, 0.91 kg) |
| magazines (0.25 lb, 0.11 kg) | scrap metal (2 to 10 lb, 0.91 to 5.54 kg) |
| oxygen supplies (0.25 lb, 0.11 kg) | 2-liter plastic bottle w/ water (2.5 lb, 1.13 kg) |
| mirror (Small) (0.25 lb, 0.11 kg) | tools (5 lb, 2.27 kg) |
| duct tape (0.4 lb, 0.18 kg) | rope (5 lb per 10 ft., 2.27 kg) |
| flash light (1/2 lb, 0.227 kg) | food (5 to 10 lb, 2.27 to 5.54 kg) |
| binoculars (1 lb, 0.454 kg) | wheels (100 lb, 45.4 kg) |
| | emergency escape slide (100 lb, 45.4 kg) |

- ❖ Using the list of items that survived the plane crash, organize your supplies into categories. In your group, decide what categories to make (such as most important, most useful, or least necessary) and write the names of the categories in the blanks at the top of the chart.

- ❖ Next, write down the items in the categories your group decided on and include the weight of each item next to it in parenthesis. Example: first aid kit (2 lb.). You don't have to use all the columns!

Category 1:	Category 2:	Category 3:	Category 4:

- ❖ As a class, you will decide the maximum weight each person can carry. Think about how weight will effect how fast you can walk to Manaus. Which items are most important?
1. How much weight can each person carry? _____
- ❖ In your groups, decide which items you want to take. Figure out who will carry what item so that no one is carrying more than the maximum amount of weight your class decided on.

- ❖ Write the items only you will carry in one of the following charts. (Include the weight of each item.) Add up your total to make sure you aren't carrying too much!! Write the same information for each of the members in your group.

Member 1: _____

Item	Weight of Item
Total Weight: _____	

Member 2: _____

Item	Weight of Item
Total Weight: _____	

Member 3: _____

Item	Weight of Item
Total Weight: _____	

Member 4: _____

Item	Weight of Item
Total Weight: _____	