



# SEED TO SHIRT

THE GEORGIA COTTON EXPERIENCE

## **Seed to Shirt: The Georgia Cotton Experience Curriculum Activities**

**There are two activities to do with your students while you are visiting Seed to Shirt: The Georgia Cotton Experience. Choose to do one or both of them!**

**Objective:** Students will understand the many uses of cotton, its impact on the economy, and the process of growing and harvesting cotton.

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Thank you to our project partners who made this experience possible:

Georgia's Rural Center, Georgia Department of Agriculture, Georgia Grown, and Magnolia Loom. To learn more, visit [ruralga.org/gnf-projects](http://ruralga.org/gnf-projects) or [seedtoshirt.com](http://seedtoshirt.com).

**OPTION 1**

**Welcome, 4th and 5th graders!** You're about to embark on an amazing adventure through the wonderful world of cotton. Get ready to learn all about cotton and the role it plays in Georgia jobs!

While reading through the cotton booth, complete the passport below on knowledge of cotton's role in Georgia and in everyday life.

**Cotton Booth Passport**

**Name:**

***Cotton: It's Everywhere!***

Look around you. How many things can you spot that are made of cotton? List three of those items here. You might be surprised at how often you use cotton every day.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

Did you know that cotton is used in money, food and even some surprising things like ammunition? Draw a picture of three unusual uses for cotton. Beneath each picture, write a short sentence explaining how cotton is used in that item.

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### **A Bale of Cotton**

If a bale of cotton weighs around 480 pounds, how many pounds of cotton are in 5 bales?  
Draw a model to show your thinking.

Imagine you have a t-shirt that weighs about 0.5 pounds. How many t-shirts could you make with 1 bale of cotton? Draw a model to show your thinking.

### **Cotton in Georgia**

Draw a quick sketch of a map of Georgia. Mark where you live and where cotton is typically grown in the state.

Write one paragraph explaining why cotton is so important to Georgia's economy. Be sure to include at least one interesting fact you learned about Georgia cotton.

### **Conservation is Key**

What does conservation mean to you? Write down as many ideas as you can think of.

Read about how cotton farmers use conservation practices. Draw a simple picture showing one way farmers conserve their soil. Write one sentence explaining your drawing.

### **Design a Cotton T-Shirt**

Think about your favorite t-shirt. What do you love about it? Is it the color, the fit or the cool design on the front?

Imagine you get to design your very own cotton t-shirt. What would it look like? Draw a picture of your dream shirt. Be sure to include as many details as possible. What's the main color? Are there any fun designs or logos? Would it be short-sleeve or long-sleeve? Write a short paragraph about your design. Try to make us see it as clearly as you do!

### **Seed to Shirt**

Read through the steps of cotton production. Choose one step that interests you the most. Write one paragraph telling more about it. Why is it important? How do farmers do it?

## OPTION 2

### **Cotton: From Seed to Shirt Scavenger Hunt**

As reading through the booth, students will answer the scavenger hunt questions.

- What are three products made from cotton?
- How much of a US dollar bill is made of cotton fiber?
- How much does the cotton industry contribute to the US economy each year?
- How many pounds of cotton fiber can an acre of land in Georgia produce?
- What is the name of the company that redesigned the Magnolia Loom t-shirt?
- What is the purpose of a "cover crop" in cotton farming?
- At what temperature do farmers begin planting cotton seeds?
- How many seeds must a farmer plant in every acre of soil?
- What is the machine called that farmers use to plant cotton seeds?
- How long does it take for a cotton boll to develop fully?
- What is the purpose of removing the leaves of the cotton plant before harvesting?
- What invention is used today to remove the seeds from the cotton fibers?