

Completed (40 possible)	_____
Accuracy of answers (30 possible)	_____
Appropriate grammar (15 possible)	_____
Neatness of record (15 possible)	_____
Total	_____
A = 86-100 points	
B = 71-85 points	
C = 70 points or less	

# Construction Toys 4-H Record Sheet

Record for Year \_\_\_\_\_

Name \_\_\_\_\_ 4-H Club \_\_\_\_\_

Years in 4-H \_\_\_\_\_ Grade \_\_\_\_\_ Years in Project \_\_\_\_\_ Time spent constructing \_\_\_\_\_

Division (circle one) Beginner (grades 3-5) Intermediate (grades 6-8) Advanced (grades 9-12)

### The Logistics

Give a brief description of your display/model/scene. \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Why did you select this display/model/scene? \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

What is your favorite part of the display/model/scene? \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

How did you obtain the construction toys? \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

### Research it!

List six different kinds of construction toys:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_



Which shape is generally accepted as the strongest shape to utilize in construction of buildings, bridges, and other architecture? Why? \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

Think about a brick wall. Why is an overlapping-brick design sturdier than bricks simply stacked on top of one another? \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

Where might you find the following shapes or geometric attributes “from nature” and “made by man”?

	Found in Nature	Made by Man
Circle		
Spiral		
Triangle		
Pentagon/Hexagon/Octagon,etc.		

List an example of something you think the following types of engineers might “engineer.”

Civil Engineer	
Chemical Engineer	
Electrical Engineer	
Mechanical Engineer	

**Forward Thinking...**

Look in a book, magazine, or on the internet and find a construction toy display/model/scene that you think is really neat. Copy or print a picture and attach it. What makes the display/model/scene you selected appeal to you? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Is there something about the picture you selected that you could incorporate in the future? \_\_\_\_\_  
If yes, what part? \_\_\_\_\_

What design ideas do you have for next year? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Talk about it!**

What did you like most about completing the Construction Toys project? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

What is one thing you learned or sparked your interest as a result of completing the Construction Toys project? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Who might you encourage to try the Construction Toys project next year? \_\_\_\_\_

