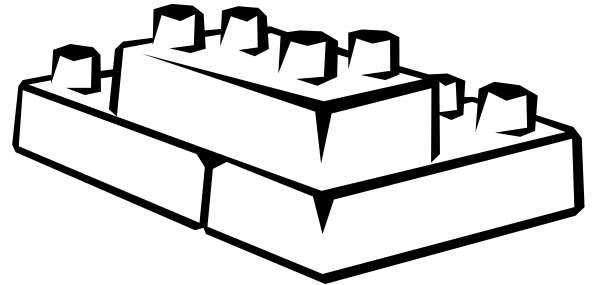
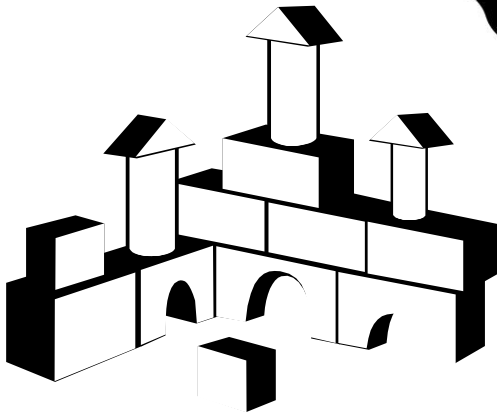


# Construction

## Toys



## Jackson County 4-H Project Manual



## Construction Toys

(County only – No State Fair Exhibit)

**Keep this book. You will use it for all your years in the project.**

The Construction Toy project allows 4-H members to create projects with Legos, K-Nex, Construx, Erector, Tinker Toys, Lincoln Logs, Duplo blocks, craft sticks, etc.

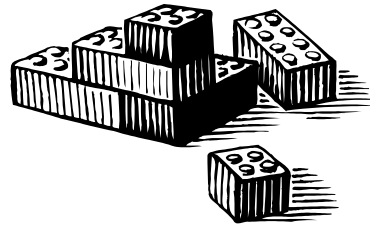
There are lots of different things you can do with this project. .

### Project Levels:

Beginner: Grades 3-5

Intermediate: Grades 6- 8

Advanced: Grades 9 -12



### Project Exhibit Guidelines:

Completed Record Sheet must be submitted in your green folder, due the Wednesday before the fair.

Exhibit may be of any design.

Exhibit **must be securely attached (to help prevent possible damage to project while on public display)** on a sturdy base that meets size requirements below.

Blocks may be glued together, but isn't mandatory.

Members should construct a more advanced project each year.

### Project Suggestions and Ideas to get you started:

These are suggestions – they are **not requirements** for this project. You can be as creative as your personal skills allow. The sizes for each level are **requirements**.

Beginner: Grades 3-5.

Kits are recommended. Construct a character such as an animal, a person, or a statue. Size requirement: 12" L x 12"W x 12"H (can be smaller).

Intermediate: Grades 6-8.

Work on your creativity. Design your own model. A kit is NOT recommended. Construct a structure, a scene, or some form of transportation (car, plane, etc.). Size requirement: 18" L x 18" W x 18 H (can be smaller).

Advanced: Grades 9-12.

Recommend trying moveable or motorized part(s). Construct a tractor on a farm, a space shuttle with lunar module, windmill and house, etc. Size requirement: 24" L x 24" W x 24" H (can be smaller).

### Special Thanks!

Special thanks to the various counties in Indiana that contributed to this project.

Sample Score Sheet

Construction Toys Score Sheet

Name: \_\_\_\_\_ Placing: \_\_\_\_\_

\_\_\_\_ Beginner  
Grades 3-5

\_\_\_\_ Intermediate  
Grades 6-8

\_\_\_\_ Advanced  
Grades 9 – 12

	Excellent	Good	Needs Work
Creativity			
Construction Techniques			
Soundness			
Sturdiness			
Balance			
Degree of Difficulty (level appropriate)			
Overall Design			

Additional Comments:

---

---

**Additional Tips!**

Remember the exhibit must be transported and moved to display area. You may want to consider how well your project holds/stays together.

There are not a lot of guidelines with this project – which allows you to be creative!

# Construction Toys RECORD SHEET

Name \_\_\_\_\_

Club Name \_\_\_\_\_ Years in 4-H \_\_\_\_\_

I have reviewed this record and believe it to be correct.

\_\_\_\_\_  
Signature of Leader

\_\_\_\_\_  
Date

What type of construction toy did you use? \_\_\_\_\_  
(Brand name: Lego, Lincoln Logs, Duplo, Tinker Toys, Construx, K-Nex, Erector, etc.)

Name of kit (if you used a kit) \_\_\_\_\_

How many hours did it take you to create your project \_\_\_\_\_

Explain in detail how you did your project.

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

List any other construction items you have made this past year.

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

What have you learned from doing this project?

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