

## Oconto County 4-H

As you work on your project throughout the year, you may find it helpful to take pictures and keep notes. They can come in handy as you plan for ways to share what you have learned and look back on what you've done.

Suggestions for showcasing your project work:

- Tell about what you've learned at **Speaking Fest**
- Show what you've learned at **Demonstration Fest**
- Take your project to the **Oconto County Fair**
- Enter local contests **outside of 4-H** like essay contests, shows and speech contests
- Look for creative ways to share what you've learned with your **club**, your **school** and your **community**.

### *Stay in Touch!*

*Here's how you can contact your key leader(s) this year:*

*Adult Key Leader*

**Brad Berkovitz 920-826-4644**

*Youth Key Leader*

**Josh Berkovitz**

**Alyssa Mangold**

*Written by Paula Huff*

*October 2009*

*Developed by Oconto County 4-H Project Development Committee*

*Format by Johnathan M. Kruse*



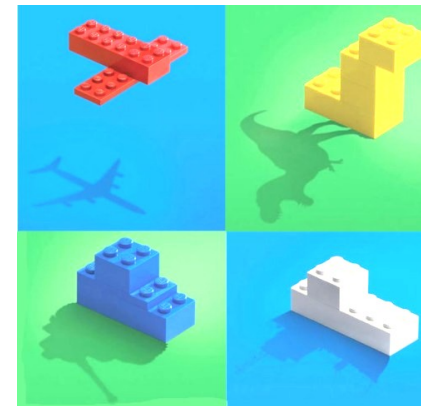
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# WELCOME TO THE OCONTO COUNTY 4-H

## LEGOS AND K'NEX

### PROJECT!



*In this introduction to the 4-H Legos Project, you'll design and build your own original Lego creations. Although the samples shown in the booklet are all Legos, you can use your K'nex, too.*

*You might want to keep a photo journal of the Lego projects that you make — it's a great record of your project work, plus you can exhibit it at the County Fair.*

*This is 4-H project code number 50421*



**Have fun!**



### Beginning of the Year

Here is what I would like to learn this year (my goal) in the Legos/K'nex project:

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### During the Project Year

Here are the steps I will take to meet my goal:

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### During the Project Year

Here's what I learned, and how I felt about my project experience:

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### Did you enjoy the LEGOS K'NEX PROJECT?

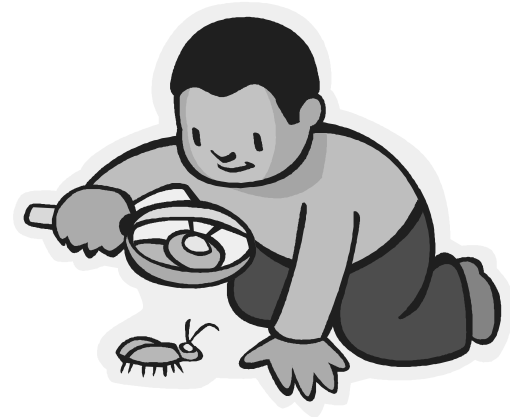
Was this project fun for you? If not, **that's okay**. It isn't likely that you'll like every project. What's important is that you **tried something new** and that you **learned something**.

What did you learn in this project? What could you have done better? What are you really proud of? These are all good questions to think about when you finish a project.

### Thanks for trying out the Legos K'nex PROJECT!

*If you liked this project, you should consider signing up for another year! You will get to dig deeper into the project and discover many new and exciting things.*

*It's never too soon to get started on next year's projects!*



**See you in the next project year!**

# Oconto County Fair Categories for 2010

Numbers are still be finalized for next year's fair, but here is a sneak peak at what you probably will be able to bring in your Legos/K'nex project.

## Mechanical Science

### Class \_\_\_\_Legos and K'Nex PROJECT CODE 50421

#### Lot Numbers:

1. Lego vehicle from kit (car, plane, boat, etc) Size limit 14" X 22"
2. Lego structure from kit (house, bridge, etc) Size limit 14" X 22"
3. Lego non-motorized robot from kit -- Size limit 14" X 22"
4. Lego mechanical from kit (w/motor and must move) Size limit 14" X 22"
5. Lego animal -- Size limit 14" X 22"
6. Lego vehicle -- Size limit 14" X 22"
7. Lego structure -- Size limit 14" X 22"
8. Lego non-motorized robot -- Size limit 14" X 22"
9. Any other Lego model not listed above
10. K'nex vehicle (car, plane, boat, etc) Size limit 14" X 22"
11. K'nex animal -- Size limit 14" X 22"
12. K'nex robot-- Size limit 14" X 22"
13. K'nex mechanical (w/motor and must move) --Size limit 14" X 22"
14. K'nex any other not listed above -- Size limit 14" X 22"
15. Photo journal of Lego projects, with specific goals labeled (i.e. Legos as Art, Legos in Unexpected Places)

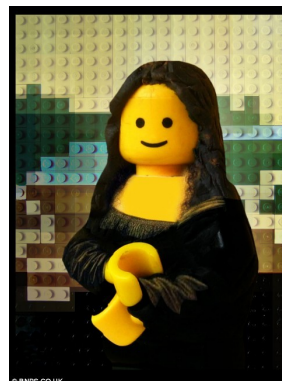
**NOTE:** Programmed LEGO Robots should be entered in Department 24, Class G.

## October: Art and Legos



A long time ago, a man named John Keats wrote a poem that started like this: *"A thing of beauty is a joy forever".*

**Challenge:** Design and build something beautiful with Legos. And keep in mind the proverb that says *"Beauty is in the eye of the beholder".*



## November

Legos look good just about any place. But they are really FUN when they show up where you least expect them.

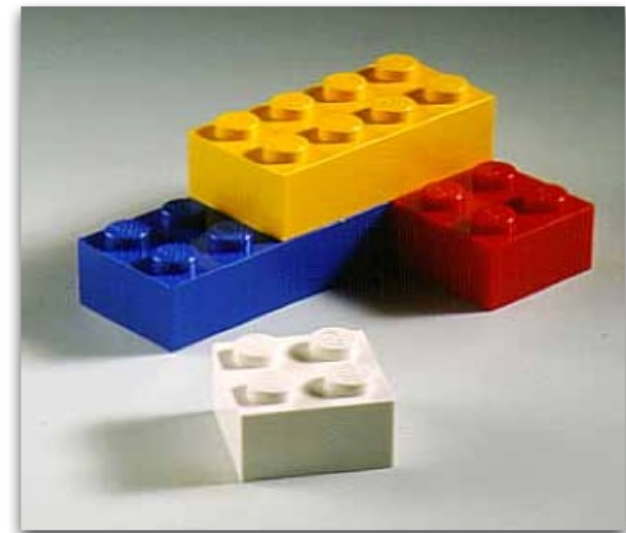
**Challenge:** Design and build a Lego structure for an unexpected place.



## July

It may look like sushi, but I wouldn't take a bite if I were you!

**Challenge:** Design and build a plate of food using Legos.





## May

Can you make something that can be USED out of Legos? This basket is GREAT for apples.



**Challenge:** Design and build something that you can actually use around the house.

## June

Aliens? Really? What would they look like?

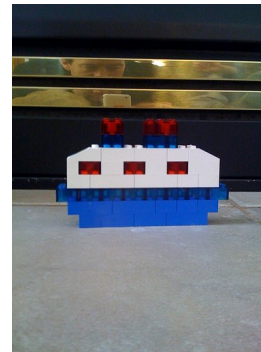
**Challenge:** Design and build an alien. You can make his/her spaceship, too, if you'd like!



## December

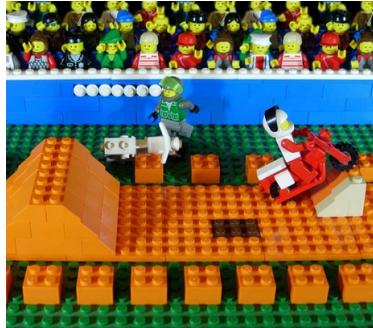
The design possibilities for boats and ships are endless! But there is that ONE thing that all boats and ships have in common...they can float!

**Challenge:** Design and build a Lego boat that floats.



## January

**Challenge:** Design and build an action scene with your Legos.



## February

Most pets need lots of care and attention, but not a Legos Pet!

**Challenge:** Design and build the ideal Legos pet.



## March — Legos to the Rescue!

Superheroes

They can do a lot of things — from seeing through brick walls with their x-ray vision to jumping tall buildings in a single leap. We all love them — or want to be just like them.



**Challenge:** Design and build your own superhero from Legos.



## April — Scale Models

4-H publication (4-H 424) tells us that “A model is defined as a miniature representation and could be anything. A model that is a true miniature representation should be created to “scale.” When something is built to scale, it is the size of an object (model) in proportion to the size of the actual thing.”

**Challenge:** Design and build a scale model.

