

<p>Schedule and Location</p>	<ul style="list-style-type: none"> ● Last Tuesday of every month (October [not December] through May/June) ● 6:00 – 7:00 PM ● Extension Office (864 Collins Rd Jefferson, WI 53549)
<p>Project Leaders</p>	<ul style="list-style-type: none"> ● Charlie Johnson <ul style="list-style-type: none"> ○ Phone: 920-342-9783 ○ Email: crjohnson.51510@gmail.com ○ Project email: jeffersonwi4hlejo@gmail.com
<p>Learning Objectives</p>	<ul style="list-style-type: none"> ● Design principles <ul style="list-style-type: none"> ○ Beginning learners will be introduced to LEGO terminology and common features of set design. ○ Intermediate learners will be introduced to the geometry of LEGO bricks and incorporate them into novel designs. ○ Advanced learners will combine multiple features into new and exciting designs. ● Construction techniques <ul style="list-style-type: none"> ○ Beginning learners will be introduced to fundamental brick connections. ○ Intermediate learners will be introduced to nonstandard building techniques. ○ Advanced learners will combine multiple building techniques to achieve the desired model. ● Creativity <ul style="list-style-type: none"> ○ Beginning learners will be prompted to create a model within well defined conceptual confines. ○ Intermediate learners will use prompts as direction but not as definitive guidelines. ○ Advanced learners will operate largely independently with only categorical guidance. ● Communication <ul style="list-style-type: none"> ○ Project members are encouraged to present home built models and give project talks during each project meeting, especially those featuring technical discussions from previous meetings. ○ After skill building challenges, project members are given the opportunity to display and discuss their creation. ○ Project fair display is determined by pitches and voting with input from the project members. ○ Project members may work in teams.

<p>Project Meeting Agenda</p>	<ul style="list-style-type: none"> ● Welcome and Pledges (5 minutes) ● Project Talk (variable) ● Free Build Challenge (10 minutes) ● Education/Demonstration (15 minutes) ● Skill Build Application (15 minutes) ● Group Fair Project Work (10 minutes) ● Clean-up and Dismissal (5 minutes)
<p>Learning Activities, Workshops, or Field Trips for the Project</p>	<ul style="list-style-type: none"> ● Brick Fest Live (typically in Madison or Milwaukee) ● LEGO store in Milwaukee ● Northeast Wisconsin (NEW) Brick Events (buy, sell, trade shows and large dioramas) ● Kenosha LEGO User Group (KLUG) events ● Fox Valley LEGO User Group (FoxLUG) events ● Wisconsin LEGO User Group (WisLUG) events ● Brickworld (Chicago)
<p>Exhibiting at the County Fair</p>	<p>Check each year’s premium book (https://www.jcofair.com/)</p> <p>(Junior) MECHANICAL SCIENCE DIVISION G: LEGO/KNEX</p> <ol style="list-style-type: none"> a. Must be the exhibitor's own creation b. No kits or instructions c. Lego’s MUST be brought in a sturdy container and left for display. d. ALL entry tags MUST be fastened securely to the exhibit. <p>Class Description</p> <ol style="list-style-type: none"> 1. Lego Creation – minimum 100 pieces & max size 12”x12” 2. Knex Creation – minimum 75 pieces & max size 18”x18”
<p>Jefferson County 4H Display</p>	<p>Each year, the project will build a display for the 4H table at the fair. It should be on theme and voted on and built by the project.</p>
<p>References and Resources</p>	<ul style="list-style-type: none"> ● Design Guides and Building <ul style="list-style-type: none"> ○ https://www.tipsandbricks.co.uk/ ○ Beyond the Brick (Facebook and YouTube) ● Other robust LEGO Projects <ul style="list-style-type: none"> ○ Waukesha County (Wisconsin) ○ Mississippi State Extension ○ Purdue University Extension