



## Middle School Design Build Competition Judging Criteria and Rating Sheet

- It is very important that all projects are evaluated against the same criteria.
- Use the criteria below as a guideline for rating the student's project.
- Do not apply your own interpretation of the rating scale.
- In the case of a tie, the judges will determine the final winner.

### Rating Scale                      0-5                      Nine Categories/Total 45 points

0	Section completely missing from project
1	Far below what is expected, incomplete, poor performance.
2	Acceptable, but inconsistent.
3	Meets all requirements, <b>good job</b> , demonstrates competency and effort to accomplish goals of the Middle School Design Build Competition and the Building Design Program.
4	Meets and exceeds requirements of the program guidelines, extra thought, care, and efforts demonstrated.
5	Excellent performance, demonstration of outstanding skills and concepts.

Item	Missing <b>0</b>	Poor <b>1</b>	Acceptable <b>2</b>	Good Job! <b>3</b>	Great <b>4</b>	Excellent <b>5</b>	<b>Total</b>
<b>1. Job Log (Journal)</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

- **Must be hand written.**
- What difficulties did the student encounter?
- What did the students enjoy most during this activity?
- What math, science, English, and technology education did they learn about that is used in construction?
- What types of communication (example: written, spoken, drawn) did they learn about this is used in construction?

<b>2. Floor Plan Sketch</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
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- The first sketch should indicate the first round of rough work and brainstorming (for example: bubble drawings)
- The final sketch should indicate modifications
- Both sketches should be included for a "3"

<b>3. Floor Plan in Detail</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
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- Will include elevation for each wall and floor
- Roof should have 2' overhang to scale
- Includes location of plumbing fixtures, cabinets, outlets, furnace, and hot water heater



**4. Site Plan**

\_\_\_\_\_

- Access site can be from either street. Indicate driveway on Site Plan
- Structures may not be constructed in building setbacks or utility easements
- Preserve as many trees as possible. Choice of trees to preserve/demo and explanation
- Attention should be given to contours

**5. Math Worksheet**

\_\_\_\_\_

- Calculations are to be shown and scored by accuracy and completion.

**6. Bill of Materials**

\_\_\_\_\_

- Cost of materials and labor not to exceed \$50,000.00
- Calculations are to be shown and scored by accuracy and completion

**7. Model**

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- The model holds no greater value than any other component of the project
- Building consideration: layout all interior and exterior walls, roof, and floor on 1/8" foam board.
- Cut all parts and assemble the house using rubber cement or Elmer's Glue All
- Scale: 1/4" – 1.0'. Refer to pages 24 and 25 of the program manual.

**8. Five Career Reports**

\_\_\_\_\_

- Score by correctness, completeness, and presentation
- Students were introduced to the variety of career opportunities and professions
- Students were to select five (5) building trades/careers needed to build their house and explain the types of duties or activities each would perform
- **Must be typed**

**9. Final Project Report**

\_\_\_\_\_

- Score by neatness, correctness, completion
- Must be typed
- Correct grammar
- Report is detailed and explains to the community your house design, choice of materials, and site plan
- Report is no more than 2 pages double spaced, size 12, Arial font
- Team names/School names are listed in the upper right hand corner

School \_\_\_\_\_  
Awarded \_\_\_\_\_  
(Place)

Total Score: \_\_\_\_\_  
Team Names: \_\_\_\_\_  
(Student Names)

Please print legibly!

