

Physical Model Score Sheet

(0 to 120 points)

Directions: Check the appropriate box and then place score in right score column.

Judge's Name: _____

Future City Name: _____

School Name: _____

0 No Points Requirements missing	2 Poor Fulfills at least 20% of requirements.	4 Fair Fulfills at least 50% of requirements	6 Good Fulfills at least 90% of requirements.	8 Very Good Fulfills 100% of requirements	10 Excellent Fulfills 100% of requirements. Additional distinctive features
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I. CREATIVITY (20 POINTS)	0	2	4	6	8	10	SCORE
1. Illustration of Futuristic Designs: buildings/structures; infrastructure; Location; plausible /recognizable as a city							
2. Appearance: use of color, graphics, shapes, etc., realistic elements; pleasing, not distracting							
II. QUALITY & SCALE (20 POINTS)	0	2	4	6	8	10	SCORE
3. Quality Workmanship and Age Appropriateness: age appropriate for 6th, 7th, and 8th grades, quality construction, reasonably durable							
4. Model Scale: _____, appropriate scale chosen, consistent scale throughout model, Applied horizontally and vertically							
III. CITY DESIGN (50 POINTS)	0	2	4	6	8	10	SCORE
5. City Design and Livability: well planned design and layout, accessibility; functionality; mixed-use; eco-management: sustainability, landscape conservation							
6. Zones & Interconnectivity: variety of zones, structures, infrastructure components; interconnectivity of zones and components; transportation: pedestrian, personal, public, goods & services							
7. Futuristic Technologies: Ex. of futuristic technologies, components; scientifically sound							
8. Innovative Solutions: Ex. of solutions to problems: transportation, environment, services, etc.; at least one original, innovative solution							
9. Essay Topic: Alternative Energy / Electrical Infrastructure: Incorporates essay topic into model; Alternative energy source for city's electrical infrastructure that does not deplete natural resources and has limited environmental impact.							
IV. MOVING PART(S) COMPONENT (20 POINTS)	0	2	4	6	8	10	SCORE
10. Moving Part(s) Innovation and Quality: at least 1 moving part, quality workmanship; durability, repeatability, innovative execution							
11. Moving Part(s) Relationship to the Design or Function of the City: at least 1 moving part, closely related to function of the city							
V. USE OF RECYCLED MATERIALS (10 POINTS)	0	2	4	6	8	10	SCORES
12. Use of Recycled Materials: most of model made from recycled materials, variety of materials, imaginative or unusual materials, creative modification or application of materials							

Total Score (0–120 points) _____