

RUBRIC ALIGNMENT CHECKLIST

Essay | Model | Presentation & Q&A

USE THIS OFTEN Review this checklist during design, not only at the end. A checked box should mean the evidence is clear to a judge.

City & Problem

- ☐ Location, population, residents, daily life, natural features, and climate are clear.
- ☐ Infrastructure, services, innovation, and futuristic elements are developed.
- ☐ The city's WUI/urban wildfire risk before the solution is explained, including terrain and boundaries.

Theme Solution

- ☐ Overall resilience strategy and environmental impacts are clear.
- ☐ Prevention example explains operation, design decisions, and innovation.
- ☐ Protection example explains operation, design decisions, and innovation.
- ☐ Recovery example explains operation, design decisions, and innovation.
- ☐ Benefits, risks, trade-offs, and compromises are assessed.
- ☐ Engineering disciplines and roles are explained.

City Essay | 54

- ☐ No more than 1,500 words; exact word count included.
- ☐ At least three acceptable references; Wikipedia not cited.
- ☐ No more than four graphics or illustrations.
- ☐ Organization, grammar, spelling, citations, and submission format are checked.

City Model | 65

- ☐ Planning, zoning, infrastructure, services, transportation, sustainability, and accessibility are visible.
- ☐ Prevention, protection, and recovery are visible.
- ☐ Creative recycled materials, appearance, accurate scale, and moving part meet the rubric.
- ☐ Futuristic technologies, innovation, and overall model effectiveness are clear.
- ☐ Size, ID card, prohibited-item, power, expense, and budget rules are met.

Presentation & Q&A | 72

- ☐ Clear introduction, body, conclusion, transitions, and supporting detail.
- ☐ City overview, infrastructure, services, and theme solutions are explained.
- ☐ Model and any aids enhance understanding.
- ☐ Three presenters share time and knowledge.
- ☐ Answers are accurate, complete, and supported.
- ☐ Engineering, EDP, project management, roles, risks, benefits, and trade-offs are addressed.



Consistency Check

- ☐ City name, facts, technologies, and claims match across all deliverables.
- ☐ Every major essay solution is visible or explainable in the model.
- ☐ Every presentation claim can be supported with research or model evidence.
- ☐ All three presenters understand the entire city, not only assigned script sections.