PREPARING FOR
COMPETITION DAY

2019-2020 COMPETITION
CLEAN WATER-TAP INTO TOMORROW
PREPARING FOR COMPETITION DAY

TUTORIAL OUTLINE

• Checklist for Competition Day
  • Forms (Honors, Media, Expense form)
  • MEDIA FORMS MUST BE COMPLETED BY ALL Teachers, Mentors and Students (Parents to complete) THROUGH THE ONLINE LINKS: https://futurecity.org/resource/media-waiver-form
  • What to bring with you (Checklist attachment)
  • Directions and Instructions for arriving at the Armory at Sage, Model Drop Off, parking and where to enter.
  • Program for the Day

• Layout of The Armory at Sage

• Presentation/Judging Process

• Practice
  • link to National Presentations: https://futurecity.org/gallery (look for 2019 finals)
  • practice questions link:
  • special awards link:

• Have Fun and Celebrate!
2019-2020 COMPETITION THEME
POWERING OUR FUTURE

• **Student's Challenge**: Clean Water: Tap Into Tomorrow - Choose a threat to your city's water supply and design a resilient system to maintain a reliable supply of clean drinking water.

• **Tips and Tricks for scoring point**

  • Highlight to the judges features in your 3D model that show your resilient power grid and how you designed your city to withstand and recover from a natural disaster.

  • In your verbal presentation, talk about the type of natural disasters your city might experience and how you designed a resilient power grid to respond and withstand concerns.
COMPETITION DAY SCHEDULE

• Arrive on January 11, 2020 at 7:30am at Armory at Sage College of Albany

Parking:
• Available to the right of the Armory (shown in blue)
• On-street parking
• Other parking available in the area
• Enter through the front doors of the Armory (near New Scotland Avenue)
COMPETITION DAY SCHEDULE

• Arrive on January 11, 2020 at 7:30am at Armory at Sage College of Albany
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• Arrive on January 11, 2020 at 7:30am at Armory at Sage College of Albany

• Enter through the front doors of the Armory
• Model enter side door
• Teachers please go to the TEACHER Registration table in Room A.
• All students and families please enter directory into the Armory and go to your display table (see Table Layout Attachment)
• Traveling in the building
  • Use stairwells (shown in green)
  • Elevator (shown in red)
COMPETITION DAY SCHEDULE

• Arrive on January 11, 2020 at 7:30am at Armory at Sage College of Albany
• TEACHERS ONLY: Sign-in at front Teacher Registration table in Room A
• Find your team’s table
• Get some coffee, bagels, and donuts
• Opening Ceremony starts at 8:30am
PRELIMINARY ROUND OF JUDGING

• Family and friends are invited to watch your presentations.
• Only the 3 students may present during the judging.
• Volunteers will meet you at your display table 15 minutes before your scheduled presentation time to transport your model and lead you to your judging room.
• Judges will enter the room
• 2 to 3 minutes – Judges will greet the school team, introduce themselves – may ask about their model/city
• 5 to 7 minutes with an optional 1 minute warning – Team Presentation
• 5 minutes – Q & A Session
  • Each judge will ask a minimum of 1 question from the required questions provided by National then any of the suggested questions provided
  • Judges will continue to ask questions until the time is over or you feel you’ve asked as many questions as you can
    • We suggest you discuss the questions each team member will ask ahead of time
• 1 to 2 minute(s) – Take another look at the model, congratulate the team
**PRESENTATION & MODEL SCORING**

<p>| | | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Project Plan</td>
<td>10 Points</td>
</tr>
<tr>
<td>2.</td>
<td>Virtual City</td>
<td>48 Points</td>
</tr>
<tr>
<td>3.</td>
<td>City Essay</td>
<td>60 Points</td>
</tr>
<tr>
<td>4.</td>
<td>City Model</td>
<td>70 Points</td>
</tr>
<tr>
<td>5.</td>
<td>City Presentation</td>
<td>70 Points</td>
</tr>
</tbody>
</table>

Top 3 Teams Will Present During the Finals Round on the Stage
### PRESENTATION SCORING

**Points Breakdown**

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content and Delivery</td>
<td>35</td>
</tr>
<tr>
<td>Engineering and Technology</td>
<td>20</td>
</tr>
<tr>
<td>Judge Assessment of Knowledge and Understanding</td>
<td>15</td>
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</tbody>
</table>

**Total Points** 70

### COMMUNICATE RESULTS (70 pts)

- The team will prepare a verbal presentation of their city (max. 7 minute presentation, with a 5-8 minute question/answer period). Presentations should be well polished.

- Students may use visual aids, such as flip charts, foam boards, poster boards, etc. that adhere to standard sizes (24" (W) x 36" (H) for poster boards, 25" (W) x 30" (H) for flip charts, & 36" (W) x 48" (H) for tri-fold boards). Up to 2 poster boards or flip charts may be displayed concurrently or 1 tri-fold board may be displayed at one time. The size does not include the easel, which will be provided.

- Other Demonstration Aids: accessories, small mock-ups, etc. used to assist with the presentation must collectively fit within a 6" x 6" x 12" volume (shoe box). If the team chooses to provide handouts, they are limited to one 8.5"x11" sheet of paper. All demonstration aids including handouts and costumes must be included on the Expense Form as part of the $100 maximum.

- Laptops, DVD/video players, mobile devices, drones, iPods, iPads, overhead projectors, audio equipment, etc. may not be used for the presentation.
MODEL SCORING

• Points Breakdown
  • City Design 20 points
  • Build It: Quality and Scale 15 points
  • Build It: Materials and Moving Part 15 points
  • Judge Assessment of Model 20 points

70 points

BUILD THE CITY (70 pts)

• The team will build a 3-D Model of a section of their city. The model is a creative representation that best represents the team's vision of a section of their city (similar to the computer design) and is not required to look exactly like the computer design.

• The model may be no larger than 25"(W) x 50"(L) x 20"(H). During the presentation, it is permissible to have extended parts, such as access doors, compartments, and hinged pullouts, as long as they are fully self-supported by the model, or - if removable - held by a presenter.

• Model must contain at least one moving part (ie. transportation, power generation, communications, etc.). Power sources must be self-contained.

• The model must be built to scale as defined by the team. A max of 2 scales may be used.

• Students will choose the materials for building the model. Material costs for the model, presentation, etc. (e.g., visual aids, costumes, color copying/printing, 3D printing, and other demonstration aids) may not exceed $100 (cash and in-kind). Students are encouraged to use recycled items. All items used in the model and presentation must be listed with values on the Expense Form with receipts where applicable.

• Rotating city models are acceptable. No vertical-oriented models. No perishables/food, live animals, drones or flying objects, hazardous items (e.g., dry ice or fire), electrical floor or wall outlets, or audio may be used in the model.

• Include a 4" x 6" Model Identification Index Card to be displayed next to the model including: a) the city name, b) scale(s) used for the model, c) school/organization name and d) names of the three presenting students, educator, and mentor.