



Academic Competition Resources



Design Review Checklist (20% of Academic Challenge)

1. Kart Setup (35%)
 - Process documentation – text and visual
 - Technical drawing(s) with annotations
 - Testing data/calculations to support the setup
 - Clear explanation of how collected data influenced design
 - STEM Curriculum Utilized
2. Electronics Package (35%)
 - Process documentation – text and visual
 - Technical drawing(s) with annotations
 - Testing data/calculations to support the setup
 - Clear explanation of how collected data influenced design
 - STEM Curriculum Utilized
3. Safety (15%)
 - Driver safety protocol
 - Pit Crew safety protocol
 - Safety protocol for building and testing process
 - MSDS sheets are provided for all necessary components
 - STEM Curriculum Utilized
4. Presentation (15%)
 - Visual aids: pictures, videos, etc.
 - Professional dressed: Suit and tie, dress slacks, blouse, dress, etc.
 - Organization.
 - Understandable, body language, eye contact
 - Interaction with evaluators and enthusiasm
 - Appropriate language and terminology

Community Outreach Checklist (20% Academic Challenge)

1. Outreach Opportunities (25%)
 - 6+ Presentations during Academic year
 - 500+ total people at the events
2. Community Benefit (60%)
 - How STEM benefits education and the community
 - How do electric vehicles benefit community
 - How does evGrand Prix Program benefit community
 - How did marketing strategies benefited team program and the community
3. Presentation (15%)
 - Visual aids: pictures, videos, etc.
 - Professional dressed: Suit and tie, dress slacks, blouse, dress, etc.
 - Organization.
 - Understandable, body language, eye contact
 - Interaction with evaluators and enthusiasm
 - Appropriate language and terminology



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Energy Efficiency Checklist (20% Academic Challenge)

1. 80% of laps must be completed to receive credit
2. Energy per lap usage

World Championship Results Checklist (40% Academic Challenge)

1. Race placement based on number of laps completed and overall standing.