



# Engineering Challenge



## Responsibilities of Coaches and Participants

This form should be signed by all individuals involved and included in the Lab Notebook.  
(Revised September 2024)

### Responsibilities of Sponsor/Coach

1. Schools choosing to use a parent as the sponsor/coach must also have a designated sponsoring teacher to serve as a liaison between Academic Rodeo and the school.
2. The sponsoring teacher/coach/parent must be from the same school district/club/homeschool as the engineering team.
3. Since the Engineering Challenge is intended to be a student-driven competition, no teacher or parent is allowed to construct or assist in the construction of any portion of the NWCR (Nuclear Waste Cleanup Robot) model or display.
4. A maximum of two sponsors/coaches may be used for each team, but a single coach may serve as the sponsor for more than one team.
5. The primary responsibilities of the sponsor/coach include teaching applicable science and engineering concepts to the students, presenting guiding questions, making sure that construction guidelines are followed, and aiding in the organization of the team. Coaches and all other advisors must be observers ONLY at the contest, allowing students to be in control of their participation. Any questions regarding the appropriate participation of the sponsor/coach should be directed to the Academic Rodeo Coordinator.



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Teacher/Sponsor Signature

### Responsibilities of Team

1. All engineering team members must currently be in one of the grades for their competition level – Elementary (grades 3-5) and Middle School (grades 6-8).
2. All engineering team members must be from the same school district/club/homeschool (co-op).
3. Each engineering team must consist of 4 students.
4. Only members of the engineering team are allowed to participate in the actual construction of the NWCR (Nuclear Waste Cleanup Robot) model and display.
5. Only members of the engineering team are allowed to control the NWCR at Competition.
6. Only members of the engineering team are allowed to advise a NWCR driver during the various tests at the Competition.
7. Each elementary team is allowed a maximum of two “Technical Advisors” who are students in grades 7-12. Technical Advisors are an optional part of a team, not mandatory.
8. Each middle school team is allowed a maximum of two “Technical Advisors” who are students in grades 9-12. Technical Advisors are an optional part of a team, not mandatory.
9. Each team must have at least one facilitating sponsor/coach.

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Team Member Signature

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Team Member Signature

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Team Member Signature

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Team Member Signature



## Engineering Challenge Responsibilities of Technical Advisors



1. All Technical Advisors must currently be students in grades 7-12 if working with an Elementary team or in grades 9-12 if working with a Middle School team.
2. A maximum of two Technical Advisors may be used for each team.
3. No Technical Advisor is allowed to directly assist in construction of the NWCR (Nuclear Waste Cleanup Robot) model or display.
4. Technical Advisors are intended to serve as mentors of the engineering team. They will bring additional experience to the engineering tasks and will be an invaluable resource. However, it should be remembered that each contest level is designed for specific grades and the final product should be their work. Advisors may provide input and feedback to the engineering team, but the engineering team itself should be responsible for the overall prototype design and refinement. At the contest, any technical advisors in attendance are to observe **ONLY** and allow all work and activity to be done by the students alone. Any questions regarding the appropriate participation of Technical Advisors should be directed to the Academic Rodeo Coordinator.

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Technical Advisor Signature

## Parent Participation

1. Parent participation is a vital part of the competition.
2. A parent may serve as the sponsor/coach but must work with a sponsoring teacher from the school district. If the team is a club or homeschool co-op, this does not apply.
3. Students are encouraged to talk to parents and others regarding their efforts at designing a Nuclear Waste Cleanup Robot model. However, parents **should NOT** tell students how to design their NWCR (Nuclear Waste Cleanup Robot) but should be available to answer questions which students may have.
4. It is the sponsoring teacher's/coach's responsibility to insure that any parent participation is within the guidelines provided. No parent is allowed to construct or assist in the construction of any portion of the NWCR model or display. At the contest, all adults are to observe **ONLY** and allow all work and activity be done by the students alone. Any questions regarding the appropriate participation of parents or other individuals should be directed to the Academic Rodeo Coordinator.

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Parent Signature

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Parent Signature

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Parent Signature

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