



Competitive Event Prep Chapter 11

Ethical and Ergonomic Concerns

Identify

National competitive events presented by organizations like FIRST, SkillsUSA, and TSA present challenges that demand depth in research and multiple approaches to rationalizing a solution. An appreciation for ethics and ergonomics is essential when confronting challenges with biomedical engineering concepts.

Set Up

Research the ethical and ergonomic considerations involved with your list of possible solutions. Locate contact information for local area leaders in the field.

Execute

Consult local area experts in biomedical engineering to address the critical ethical and ergonomic concerns with your solution. Rationalize your best solution using ethics and ergonomics as trademark components and their insights as additional justification.

Evaluate

Test the ergonomic design of your completed prototype for human factors and comfort. Address any recommendations provided.

Share

Highlight your unique approach on a poster and share these insights with judges or evaluators. Provide a final copy of your portfolio to surveyed experts as a token of your appreciation.