

Senior Capstone Final Presentation Guide

FINAL PRESENTATION GUIDE

STEM Expo: April 24, 2027

PRESENTATION LENGTH

- 8–10 minutes total
- Followed by 2–3 minutes of Q&A

RECOMMENDED SLIDE ORDER

Slide 1 — Title Slide

Include:

- Project title
- Student name(s)
- School / STEM Magnet Program
- A representative image

Slide 2 — The Problem

Explain:

- The problem
- Who is impacted
- Why it matters in the community

Slide 3 — Evidence & Data Overview

Highlight:

- Key statistics
- Percentages
- Trends
- Survey or research data

Slide 4 — Visual Data

Include:

- At least one graph from your Data Dashboard
- One additional data visualization

Explain:

- What the graph shows
- Why it matters

Slide 5 — Root Causes

Explain:

- Root causes of the problem
- Contributing factors

Slide 6 — Proposed Solution

Describe:

- Your innovation
- How it works
- Why it is effective

Slide 7 — Prototype Showcase

Include:

- Photos or diagrams
- Labeled features
- Demonstration (if possible)

Slide 8 — Mathematical Analysis & Optimization

Explain:

- How you used math to support your solution (examples: percentages, cost analysis, trends, efficiency, or optimization)
- How your calculations improve or justify your design

Slide 9 — Environmental & Economic Impact

Show:

- Sustainability benefits

- Cost analysis
- Feasibility

Slide 10 — Human Impact / Narrative

Use your narrative to:

- Show the human side of the problem
- Create empathy or urgency

Slide 11 — Goals & Expected Outcomes

Include:

- Measurable goals
- Expected outcomes
- How success will be determined

Slide 12 — Conclusion

Summarize:

- Why the problem matters
- Why your solution is effective
- Final call to action

WHAT TO BRING

- Prototype
- Slide deck
- Data Dashboard (printed or digital)
- Notes outline
- Professional attire recommended

JUDGES WILL SCORE YOU ON:

- Clarity of problem explanation
- Quality of data analysis
- Strength and design of prototype
- Integration of STEM disciplines
- Creativity and innovation
- Presentation delivery and professionalism
- Overall completeness

PRESENTATION TIPS

- Practice multiple times
- Avoid reading directly from slides
- Use bullet points, not paragraphs
- Use visuals more than text
- Speak clearly and confidently
- Be prepared to answer questions