

Name: _____ The Future of Engineering & Design

ENGR 101

Class Activity: A Vision for the Future

Part 1: Individual Reflection

1. What are the most important lessons about engineering and social justice you've learned?
2. What aspects of engineering/design practice most need to change?
3. Where do you see the greatest potential for positive impact?

Part 2: Creating Your Future Headline

Imagine picking up a newspaper or opening your favorite news site 10 years from today. Write a headline that captures a significant positive change in engineering that you want to see. Your headline should announce a specific achievement or milestone.

Examples: "Engineering Programs Report 40% Indigenous and Black Graduate Rate" or "Community Input Process Becomes Standard Engineering Practice"

Tips: be specific (what exactly changed?) and name key players (who made it happen?). Include measurable outcomes (how do know change occurred?). Avoid headlines that are too vague ("engineering gets better"), unrealistic ("all world problems solved") or are too simple ("engineers work on projects").

Summarize your group work below. This will then be copied to a worksheet (one per team) for sharing during the gallery walk.

Final Selected Headline: _____

Vision: (how do we get there from here?)

What needs to change in engineering education:

What needs to change in industry practice:

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What role do individual engineers play:

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How will we measure success:

Part 3: Gallery Walk & Voting

- Sharing of Ideas
- Dot voting
- Your favorite headline: _____

Other notes:

Part 4: Personal Commitment – *to be submitted to Canvas*

Write a brief "commitment statement" about your role in creating positive change in engineering/design. Your commitment statement should reflect specific actions you plan to take to help create the future of engineering we've envisioned today. Your commitment should be specific and actionable, connected to the your learning, realistic yet ambitious.

Think about: Specific actions you can take in your future role; Ways you can influence your immediate environment; How you'll maintain awareness of social justice in your work; Skills or knowledge you want to develop further; Communities you want to engage with or support

Based on our class visioning exercise and my learning in ENGR 101, I commit to help create positive change by...

[Write your commitment here - aim for 3-4 sentences]

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Example: I commit to actively seeking out diverse perspectives in my design work by engaging with users from different backgrounds early in the design process. I will keep a journal of ethical considerations that arise in my projects and regularly reflect on how my decisions impact different communities. When I see opportunities to make engineering spaces more inclusive, I commit to speaking up and taking action, starting with the student organizations I'm part of.