YOU'RE HIRED!

Thank You!

Thank you for volunteering to be a part of the 'You're Hired!' project. Your participation today helps make the day a success!

What is Today About?

First thing this morning the students were given a problem and were split into companies (teamwork). The students have been working all day without teacher assistance to determine a solution (critical thinking).

The students had three chances to ask a consulting firm questions throughout the day, other than that they have been completely on their own (time management).

The history behind 'You're Hired!':

- This project is a master's thesis project for UND's Chemical Engineering program.
- There will be a total of 3 STEM days throughout the school year at participating schools across ND, SD, and MN.
- The goal is to develop and infuse STEM along with 21st Century Skills such as:
 - o Critical thinking
 - Teamwork
 - o Time management
 - o Communication
 - Creativity
- Funded in part by the National Science Foundation NSF#0940143 and NSF#0942278.
- Any questions please contact: Kristin Brevik
 Kristin.brevik@ndscs.edu

There is no right answer! The 'You're Hired!' problem statements are designed to engage the students. If the answer was clear, there would be no way to track the students' critical thinking. For example, Magic Sand was originally designed to clean up oil spills, so it could work. However, it was not used for economic and environmental reasons. Texting while driving is not illegal in all states, but should it be? These are the in-depth questions that the students will need to understand and answer for the board members (communication, creativity) – think **Donald Trump's 'The Apprentice'** – and find out who is hired!





Company Name: Company Number: Presentation Score Sheet		_			
Collaboration and Understanding (5=Excellent	, 1=N	lot A	cce	pta	ble)
• Company members clearly presented their contributions based upon their career. All members presented, areas of expertise demonstrated, understood their career	5		3		1
 Company exhibited teamwork and provided examples of working together. Managed time, encouragement, keeping on task, resolved conflict 	5	4	3	2	1
 Critical Thinking Company explained how they brainstormed their approach to solve this problem. Considered multiple solutions, explored factors that impact the problem solution 	5 n and	4 d/oi	3	2	1
• Company effectively used technology to research the problem and design a solution. Leveraged reputable websites, use of mathematical models, charts and/	5 or d	4 lesig	3 gn	2	1
 Experimentation- Engineering Design Process Strategy used to solve the problem: scientific method, engineering design process, etc. Explained method to pick best approach, considered a redesign, data driven 	5	4	3	2	1
• Company clearly explained their experimental procedure in reaching conclusions. Experimental details, experiment equipment, data analysis	5	4	3	2	1
Communication • Company delivered effective and engaging presentation. Eye contact, hand gestures, group positioning, professionalism, effective (video, posters)	5 e vis	4 ual	3 aid	2 Is	1
 Company designed an effective and engaging website. Password protected, logo(s), visuals, company profile, user-friendly 	5	4	3	2	1
 Creativity Final idea was creative and thoroughly explored and examined. Data was used to guide decisions, solution was not immediately obvious 	5	4	3	2	1
 Q&A quality in company responses from a variety of company members. Multiple people answered, out-of-the-box approaches 	5	4	3		1
Materials Returned 'Vouchers for Consulting' Sheet Returned	Yes Yes	` '		No No	
Overall Comments:	Tot	al:			

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