

Shaping Tomorrow:

Diversity and STEM for Global Solutions

MINDS OF THE FUTURE 2024

– questions for further discussion

Minds of the future is a round table discussion where 4 brilliant young minds and 2024 Nobel Prize laureate David Baker explore the future solutions to issues important to youth today.

TIPS FOR DISCUSSION: You may want to divide your group into smaller groups and then have a summarizing discussion in the whole group. Perhaps you want to prioritize between the questions or let different groups discuss different questions. All facts and statements are directly taken from the Minds of the Future.

TIME ESTIMATE: 1 hour watching followed by an hour-long discussion. Feel free to skip questions if they do not spark interest in discussion.

Here are questions to be used in your classroom, science club or with your friends:

- Part 1: The role of STEM in addressing global challenges
 - How do you look at global challenges as a young person? Do you have an interest in finding solutions to global challenges?
 - Is STEM research a good way to tackle global challenges in your opinion? What other ways of tackling global challenges exist?
 - The panelists discuss how scientists, policy makers and communicators need to come together to tackle global challenges. What other parties need to be involved in your opinion?
- Part 2: *Highlighted by Luleå University of Technology:*
Fostering curiosity in science and increasing presence of science in society
 - The panelists discuss the importance of science communication in society, and the unique approach young people can have to this that fosters a curious mindset. Do you agree that young people can have a unique and valuable approach to science communication in society? Why or why not?
 - Do you think for example schools do a good job at encouraging a curiosity in science currently? Can you think of an effort that was effective in making you curious about science? And is that important in your opinion? Reflect on what efforts could make students and society as a whole more curious about STEM.

- What did you think about pursuing studies/a career in STEM before listening to the panel discussion? What do you think about it after listening to the panel discussion?
- Part 3: Importance of diversity in STEM
 - What are your opinions on diversity within STEM?
 - When can differing backgrounds, perspectives and opinions help push scientific progress and innovation?
 - When can differing perspectives be challenging? How can we overcome these challenges?
 - Can you think of an example of interdisciplinary work that lead to something good, either that you've experienced or heard about?
- General
 - Did you feel inspired by any of the panelists' answers? Why or why not?
 - Did you disagree with any of the panelists' answers? Why or why not?