

Teaching STEM using Makerspace in Elementary School

Interview Guide for Students

Introduction:

- Thank the student for participating.
- Explain the purpose of the interview: to understand their experiences with the STEM program and makerspace activities.
- Assure them that their responses will be kept confidential and used solely for research purposes.
- Obtain verbal consent to proceed with the interview.

Introduction:

1. Can you tell me a little about yourself? (grade level, interests, favorite subjects)
2. How long have you been participating in the STEM program and makerspace activities?

Experience with the STEM Program:

1. . What do you enjoy most about the STEM program?
2. Can you describe a memorable activity you did in the makerspace?
3. How do you feel when you work on STEM projects?

Learning and Skills Development:

1. What new skills or knowledge have you gained from participating in the STEM program?
2. Can you give an example of something you learned that you found particularly interesting or useful?
3. How do you think the STEM program has helped you to decide join th program in Middle School?

Technology Integration:

1. How do you use technology in the STEM program?
2. Do you feel comfortable using the technology provided?
3. What types of technology or tools do you wish you could use more often in the STEM program?

Impact and Perception:

1. How do you think the STEM program has changed your perception of science and math?
2. Has participating in the STEM program influenced your thoughts about future career options? If so, how?

3. Do you talk about your STEM projects with your friends or family? What do they think about them?

Feedback on Program Structure:

1. How do you feel about the amount of time dedicated to STEM activities each week?
2. Do you prefer working on STEM projects individually, in pairs, or in groups? Why?
3. What do you think about the way STEM topics are introduced and taught in the program?

Conclusion:

1. Is there anything else you would like to share about your experience with the STEM program and makerspace activities?
2. Do you have any final thoughts or comments?