AI meeting summary:

- Luis Chavez, a science teacher from Montague Charter Academy in California, aims to incorporate STEM education into the school's science lab for 3rd to 5th graders using the Vex program. Although some challenges exist with the engineering notebook component and teacher development, parental involvement has been successful in promoting student interest in robotics and coding careers. Luis suggests seeing more hands-on videos from teachers and students starting the process as well as gradually implementing Vex IQ across all grade levels.

Outline:

- Sure, here's an outline with timestamps for the different topics covered in this transcript:
- I. Introduction
- A. Stem education goals (0:00-0:16)
- B. Incorporating Stem education into science lab (0:16-0:35)
- C. NGSS standards and Vex program (0:35-1:08)
- D. School-wide implementation (1:08-1:24)
- E. Name and school introduction (1:24-1:40)
- II. Vex Experience and Challenges
- A. Level 2 data experience with Vex (1:40-2:00)
- B. Age group and state qualification (2:00-2:26)
- C. Engineering notebook component and teacher development (2:26-3:00)
- D. Making Vex easier with hands-on videos (3:00-3:28)
- E. Incorporating Vex goal and IQ (3:28-4:05)
- III. Success Stories and Future Goals
- A. Parental involvement and student explanations (4:05-4:41)
- B. Students pursuing careers in robotics and coding (4:41-5:05)
- C. Future goals and expansion (5:05-5:20)
- Overall, the transcript covers Stem education, Vex program, implementation challenges, and success stories. The speaker provides insights into their experience with Vex and offers suggestions for making the program easier. They also highlight the importance of parental involvement and student interest in pursuing careers in STEM fields. The speaker concludes by discussing their future goals and expanding the program.

Notes:

- Luis Chavez, a science teacher at Montague Charter Academy from Pacoima, California, wants to incorporate STEM education into the science lab for 3rd, 4th, and 5th graders.
- He believes that using the Vex program would be a great opportunity to make sure that NGSS standards are covered.
- He has started with Vex in 2019 and has had a couple of his teams qualify at the state level with 14th graders.
- One of the challenges he has faced is the engineering notebook component and getting students more involved in the engineering design process.
- He needs more teacher development for the teachers at his school to expand the program across grade levels.
- He suggests seeing more hands-on videos from teachers starting Vex as well as videos of students sharing their challenges.
- He has seen a lot of parental involvement and interest in the program from students explaining it to their families.
- Two of his students are looking forward to pursuing careers in robotics and coding at the middle school level.

Action items:

- Follow-ups:
- 1. What is Luis Chavez's experience with Vex?
- 2. What could be done to make Vex easier?
- 3. Is there a way to incorporate one, two, three Vex goal and IQ?
- 4. Can Luis Chavez suggest ways to get students more involved in the engineering notebook component?
- Action items:
- 1. Provide support for Luis Chavez in the teacher development component for the teachers at his school, to bring Vex back and expand on it across the grade levels.
- 2. Create more hands-on videos from teachers starting Vex, videos of students who are starting the process, and relate some of the challenges that they have run into and share those with Luis Chavez.