

VRC Photography Challenge  
7983X  
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We decided to express the theme of Mathematics with a photo representing gear trains and gear ratios. In our photo we depict a robotics student determining which gear ratio to use to optimize the torque of their catapult for launching discs into the high goal for the 2022-2023 VEX game, Spin Up. This student uses the notebook to document their findings and work through the mathematical problems behind the gear ratios.