

Abstract Submitted  
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**How to be a Successful Woman in Physics**<sup>1</sup> HALIE LEWIS, JORDAN GREGOR, CORINNE SCHAEFFER<sup>2</sup>, Edinboro Univ of PA — In the field of physics, the lack of diversity is a well-known and documented problem, specifically the lack of women. Instead of focusing on why there is a lack of women in physics, this research project looks to find what has contributed to the success of the women that are currently in the field of physics. This was accomplished by interviewing women that fit the studys pre-determined criteria. For this study, 51 women were interviewed either in person or by video conference. The women identified coping strategies and resources that benefited them in their journey to success. They also provided advice for young women who look to pursue physics. The common theme of having a supportive environment was identified as a key component to the success of the participants. After the interview was conducted a mindset survey was sent to determine if the woman had a growth or fixed mindset. All participants displayed similar mindset scores, despite differing backgrounds. Future research may involve a similar study in other fields of STEM to see if the themes recorded are specific to physics or if they transcend fields.

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