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SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Ignition - Primary Space Education (1)

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FUTURE MARTIAN SCIENTIST DESCRIBES A TERRAFORMING APPROACH

Abstract

The next generation of scientists and engineers are starting to learn about the challenges of living in space and starting an extraterrestrial colony. Once student details her thought process and technical details of an approach to Terraforming Mars. Her approach shows the technical level that terraforming curriculum brings to primary education courses and how students can learn many advanced, multidisciplinary topics along the way. By researching the atmospheric and geographic conditions of Mars and learning about biological requirements for life on Earth, students can replicate the approach and come up with novel scenerios to Terraforming with a new understanding of how to begin solving a problem that will take generations to solve. Beginning Terraforming curriculum in primary school allows students to grow up with a scientific approach to creative problems on large scales, a 21st century skill required to create future space colonies and train those who will live there.