

Is One More Successful than the Other? Comparing Evaluation Findings Across Project Components



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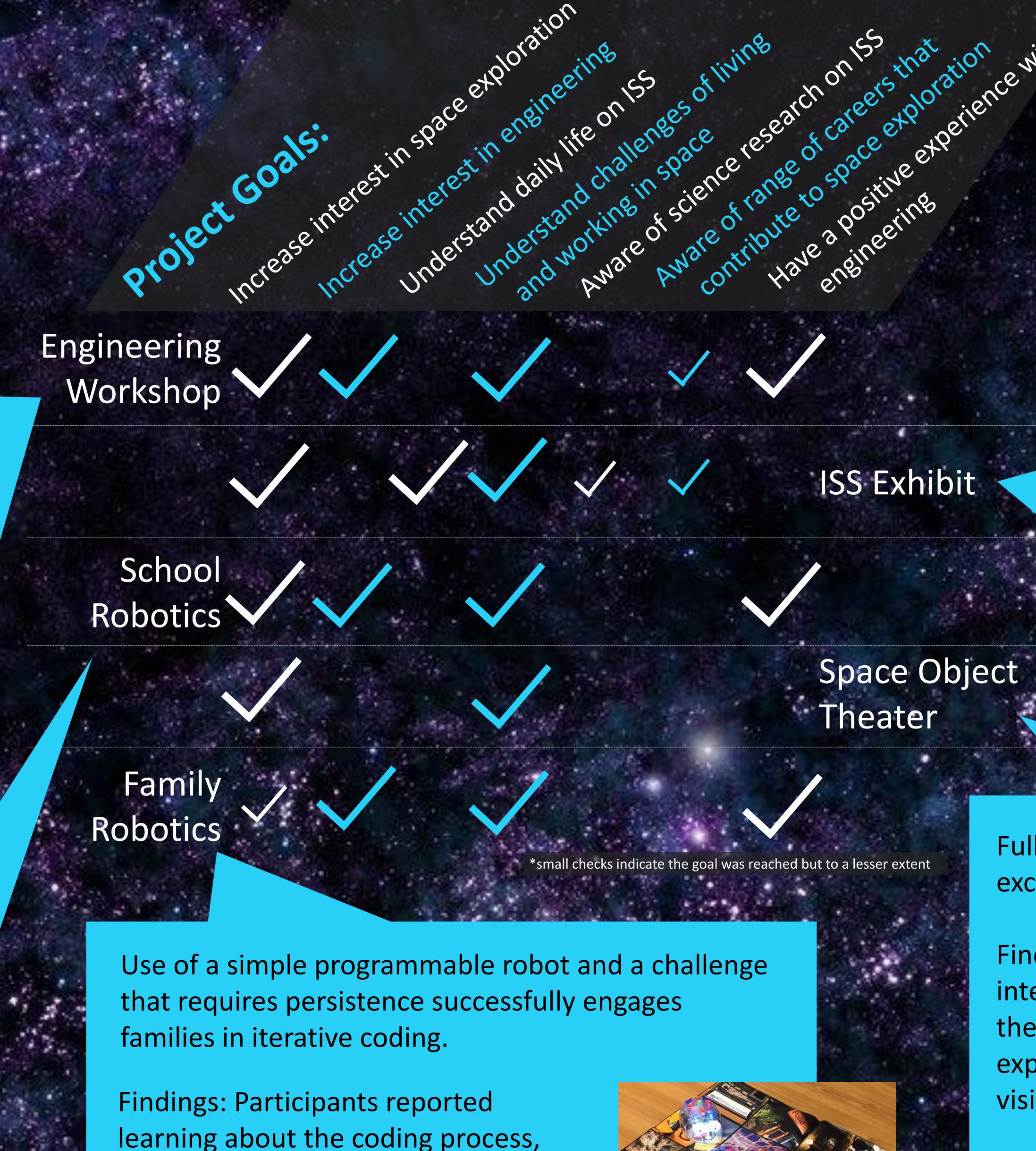
Station is based upon work supported by NASA under award Number

Use of multimedia powerpoint and everyday objects creates a friendly and fun environment for families to participate in the engineering design process.

Findings: Many children gained a more concrete understanding of engineering and a sense that they could "do it." 66% of participants reported increased interest in both engineering and space. 53% are more likely to seek out future engineering experiences.

Use of a programmable robot and a challenge that requires persistence successfully engages students in iterative coding and problem-solving. The ISS map reinforces the link between coding and space exploration.

Findings: For 63% of students, this was their first experience with coding. Teachers reported that the program increased student interest in robotics.



The immersive exhibit

effectively conveys the

the ISS.

experience of daily life on

Finding: 53% of visitors reported that

they are more likely to seek out future

experiences related to space education

Full-dome technology creates a unique and exciting experience with a historic object.

after visiting.

Findings: 73% of visitors reported increased interest after the show, and 60% indicated they are more likely to seek out future experiences related to space education after visiting.



Take-away: Goals related to engineering were better achieved in program formats, while daily life on the ISS was best conveyed through the immersive exhibit. Visitors learned about challenges of living in space through all project components.

especially the role of trial and error.

56% reported they are more likely to

seek out future robotics experiences.

and space increased.

38% indicated their interest in robotics

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