



PSGC Apollo 11 50th Anniversary Rocket Launch: Multi-level Engagement

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**NASA PENNSYLVANIA
SPACE GRANT CONSORTIUM**



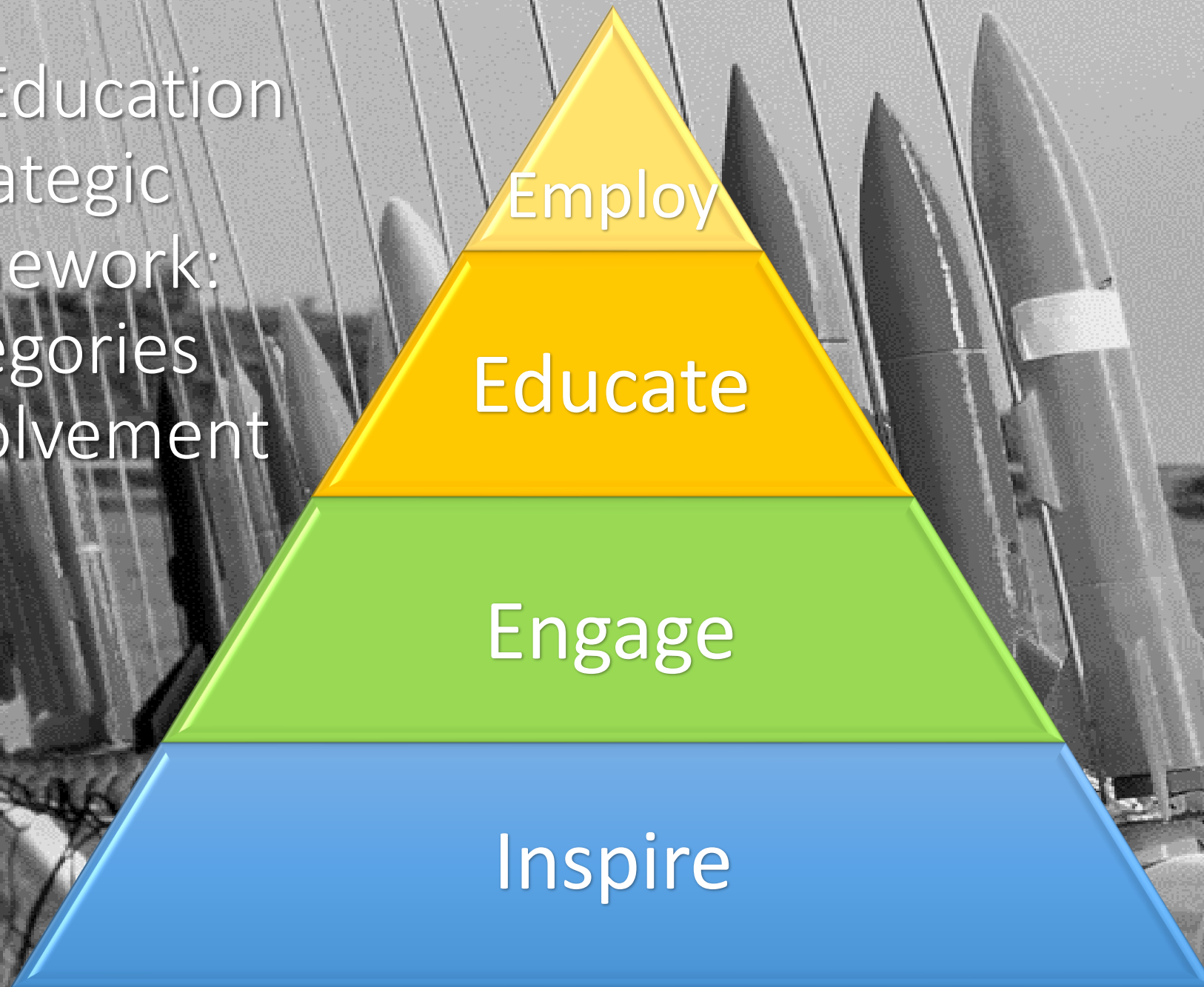
2019 Mid-Atlantic Space Grant Consortia Meeting



Penn State Apollo 11 50th Anniversary Rocket Launch:

- Held on July 16th, 2019
- Over 250 participants
 - Attendees, student volunteers, staff, and faculty
- Over 230 rockets launched
 - 24 simultaneously launched at 9:32 AM
 - 120 rockets built on-site
 - 80 non-motorized launches
- 14 STEM exhibits / demos

NASA Education
Strategic
Framework:
Categories
of Involvement



Inspire:

Achieved by:

- Simultaneous rocket launch @ 9:32 AM
- Broad and designed to resonate with all attendees

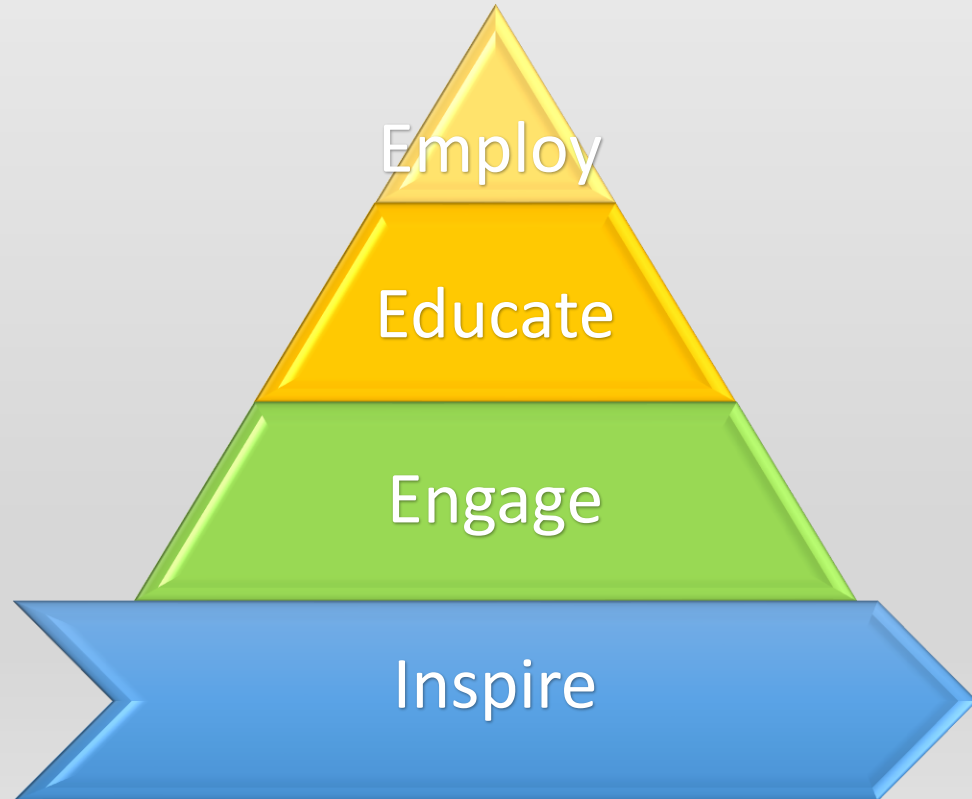


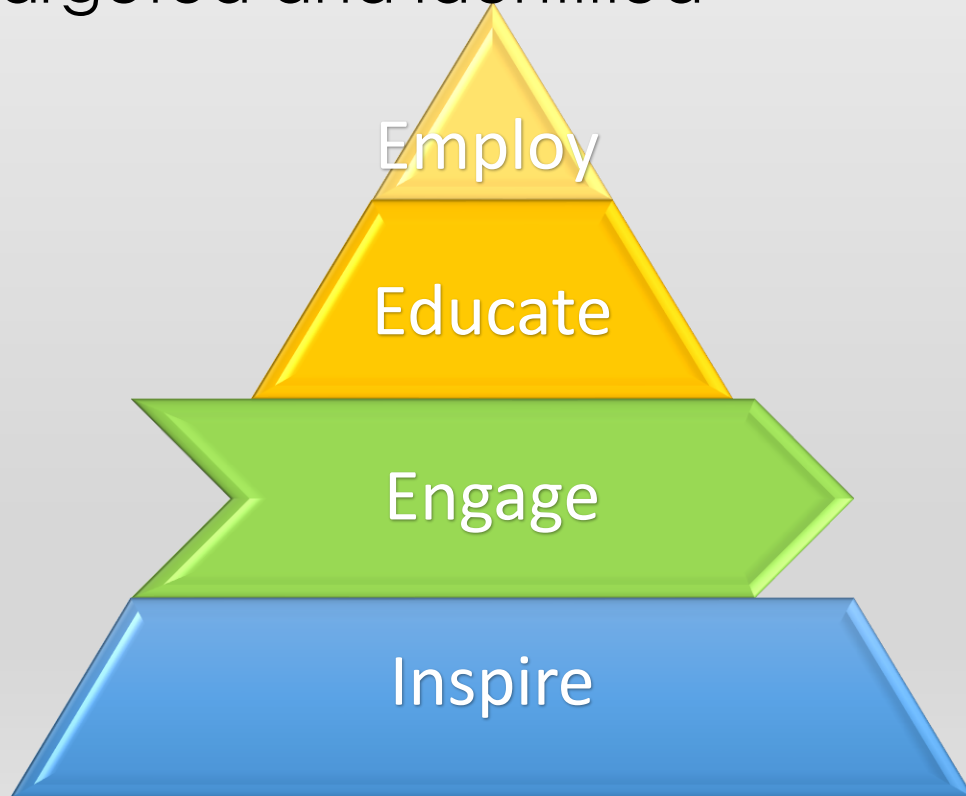


Photo credit Patrick Mansell, Francisco Tutella

Engage:

Achieved by:

- Hands-on rocket building, decorating, and launching
- Participants were strategically targeted and identified





Educate:

- PSGC-funded student groups
- Learning from formal curriculum and peer-to-peer mentorship
- Gaining experience sharing their projects to wide range of audiences

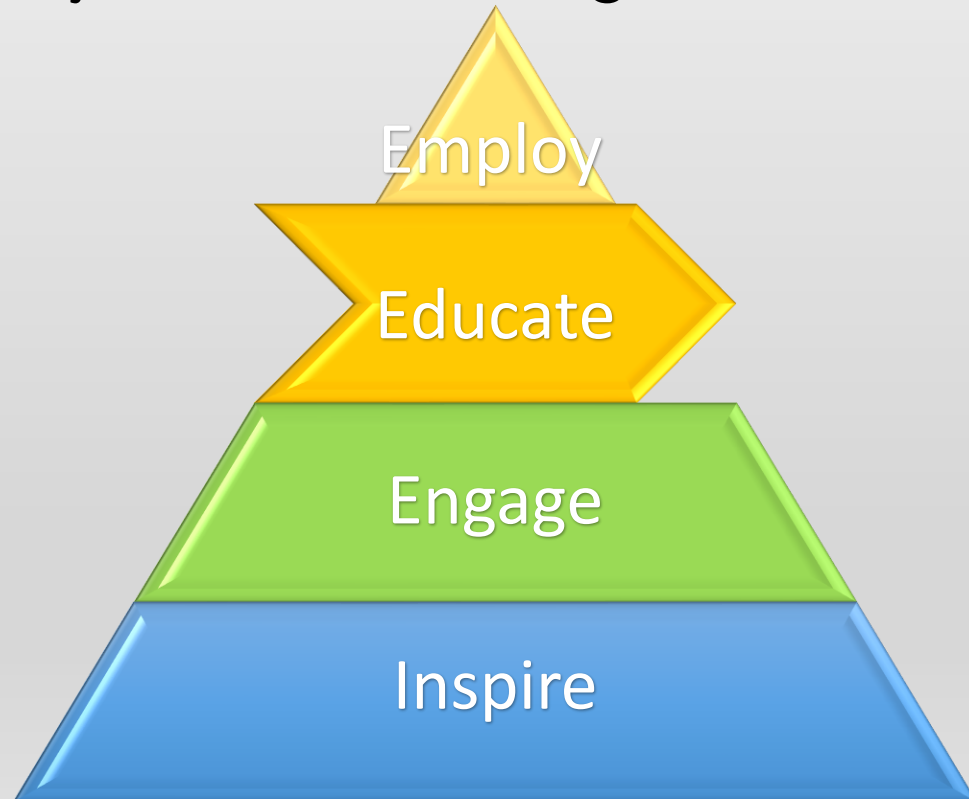


Photo credit: Kristine





Employ:

- PSGC fellows
- Targeted development of individuals who are preparing for employment in NASA-related disciplines

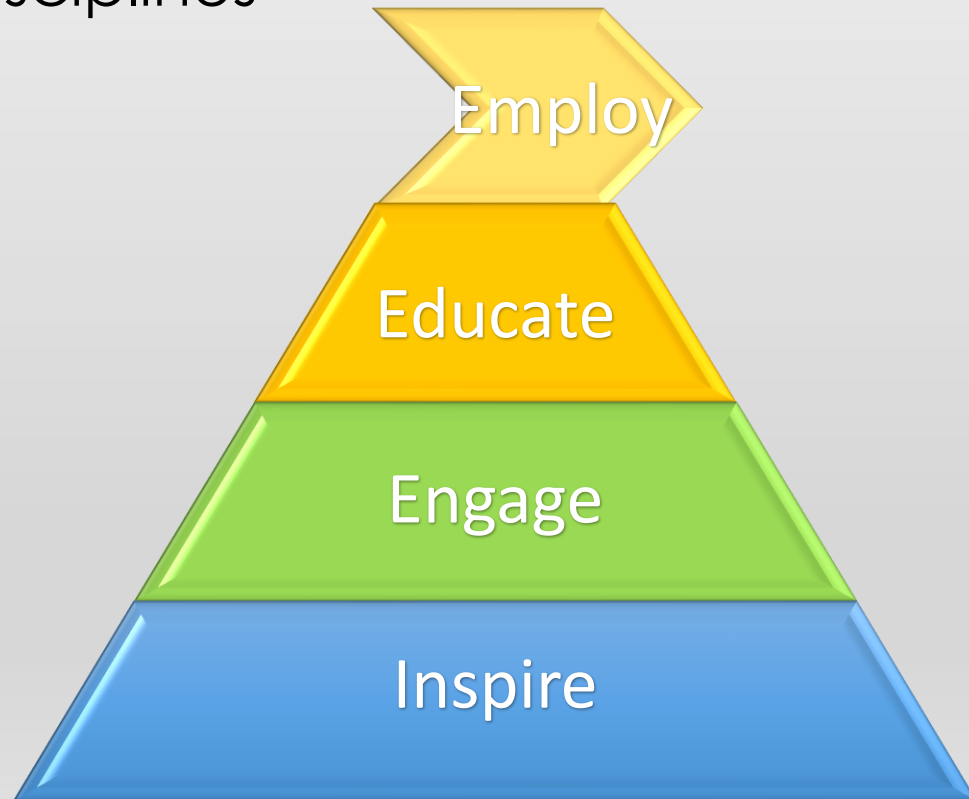
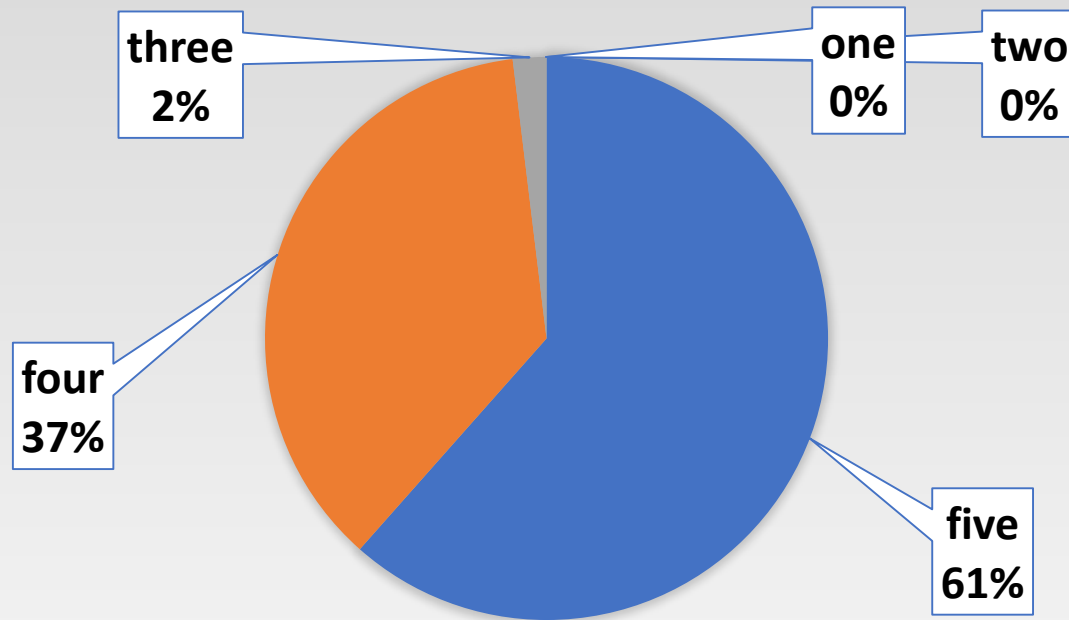




Photo credit: Patrick Mansell, James Leary

Goals and Results:

- *To celebrate the 50th Anniversary of the Apollo 11 mission*
- *To provide STEM outreach and education to the public*



1: Not met

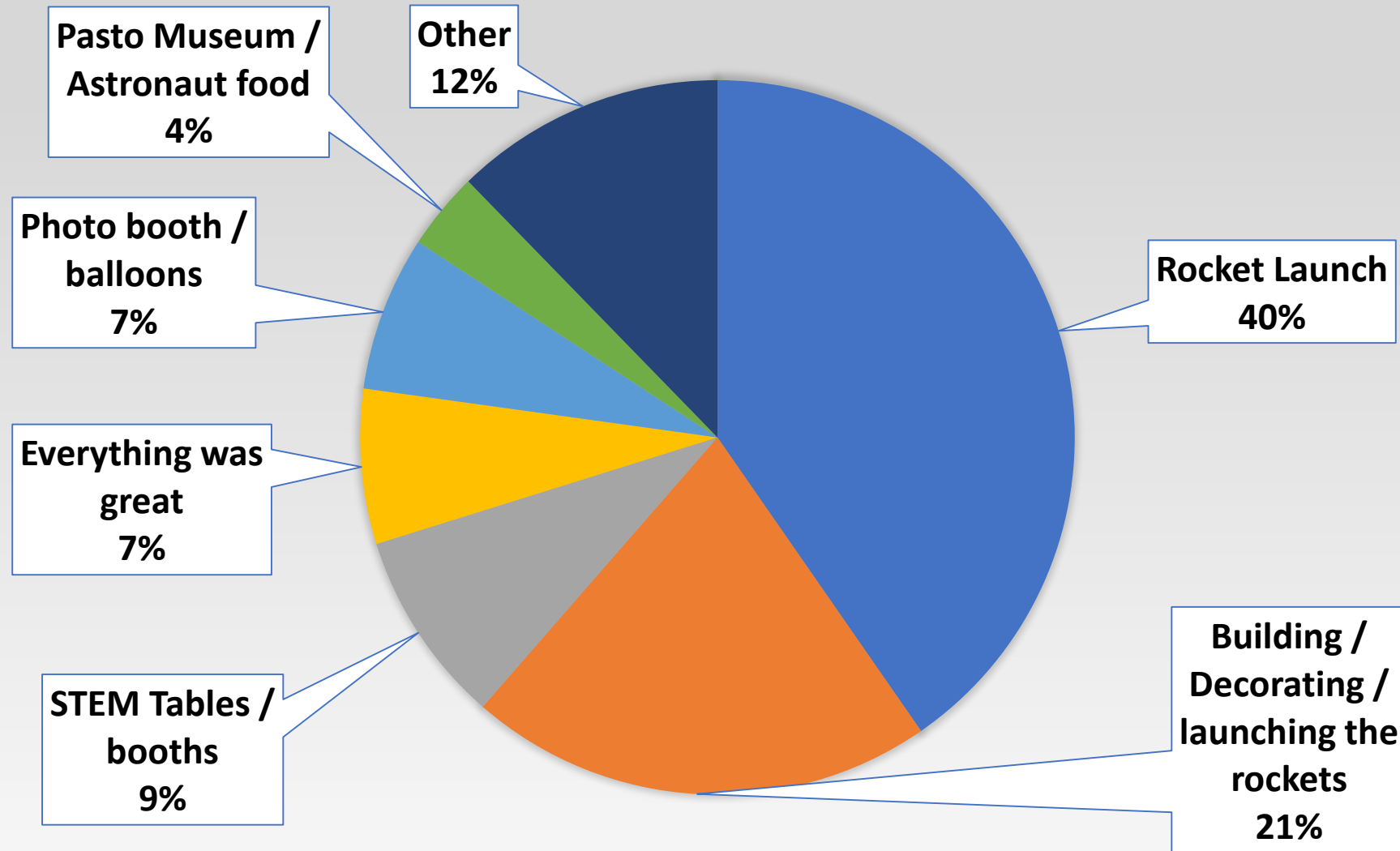
3: sufficiently met

5: exceeded expectations

Average score: 4.60



RESPONSES TO "WHAT ELEMENT(S) OF THE EVENT DID YOU LIKE THE MOST?"



NASA Education Goals:

- Strengthening NASA and the Nation's future workforce
- Attracting and retaining students in STEM disciplines
- Engaging Americans in NASA's mission

In conclusion, not only could all four categories of involvement of the education strategic framework be seen, but...

- they came together to form a collective learning opportunity for all ages
- It aligned the event with NASA's education goals
- Provided inspiration that will fuel the future STEM workforce

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