

IELTS ESSAY TOPIC: Space Exploration

Benefits:

1. Spinoffs -technologies used on Earth that were first pioneered in space exploration

-Memory Foam (first used for airline crash protection)

-Magnetic Resonance Imaging

- Smoke Detection

-Infrared Ear Thermometers

-Artificial Limbs

-Firefighter Gear

-Portable Cordless Vacuums

-Harnessing Solar Energy

-Water Purification

https://spinoff.nasa.gov/Spinoff2008/tech_benefits.html

2. Education and Job Creation

-encouraging students to pursue STEM careers (science, technology, engineering and mathematics)

<https://www.nasa.gov/sites/default/files/files/Benefits-Stemming-from-Space-Exploration-2013-TAGGED.pdf>

Drawbacks:

-fuel costs

-expensive failed missions

-endangering the lives of astronauts

- pollution in space - debris that space missions leave behind, such as satellites or rocket launch boosters

<https://www.wired.com/2016/02/space-is-cold-vast-and-deadly-humans-will-explore-it-anyway/>

Top 5 countries spending on space: USA, China, Russia, Japan, France

<http://www.businessinsider.com/countries-that-spend-the-most-on-space-exploration-2016-1>

Historic moments in space exploration

<https://www.youtube.com/watch?v=4s4AlG44EKc>