

## GGA Knowledge Organiser Year 5 Food Technology – Space Food Investigation

Vocabulary	
<b>Rehydrate</b>	To hydrate and put back the moisture removed to help preserve the food e.g. fruits
<b>Preserved</b>	Food packaged and treated in a way to make it edible, even after months in space
<b>Vacuum-packed</b>	Food that is vacuum-packed is packed in a bag from which most of the air has been removed, in order to keep the food fresh
<b>Compact</b>	Packed to take up very little space
<b>Crumb</b>	Tiny particles of food that break off the main meal e.g. biscuits
<b>Non-contaminated</b>	Something that hasn't been affected by bacteria or germs – space food has to be non-contaminated to be edible as replacing supplies is difficult
<b>Nutrients</b>	Healthy elements of food ingredients – these will keep the astronauts well and in good condition aboard the I.S.S.
<b>Freeze dried</b>	Using extremely cold temperatures, in the minus numbers, to preserve food and dry it for storage.
<b>Meal pouch</b>	The small bags that the various dishes/ingredients are stored in on-board the I.S.S
<b>Hydration</b>	The process of making your body absorb water or other liquid, the astronauts would have to stay hydrated in space which also helps with focus and concentration



<b>Why are we learning this?</b>
To understand how astronauts eat and drink on board the I.S.S. in zero gravity and how it differs from the way we consume our food and drink on Earth.
<b>Why is it important?</b>
To investigate the everyday living conditions onboard the I.S.S for the astronauts. Using daily routines such as eating and drinking as an example.



### Cross Curricular Opportunities

Science	The differences of how eating on board the ISS differs from eating back home on Earth e.g. food preservation/shelf-life, heating and serving food, eating the food in a zero gravity environment.
Humanities	How the I.S.S (International Space Station) provided cultural dishes to appeal to each of the nationalities of the astronauts onboard the space station and what they were.
English	Writing about life on board the I.S.S in a non-chronological style.
PSHE & Values	Anxiety and loneliness lessened with the comfort of the cultural dishes provided to remind them of home. Resilience and positivity.

