

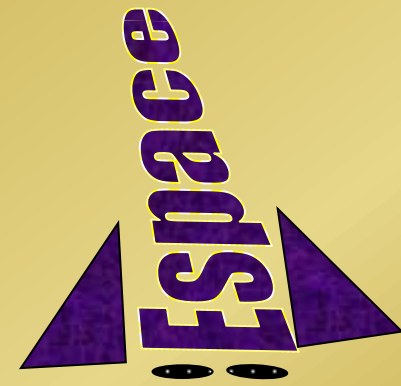


June 12, 2011

Espace



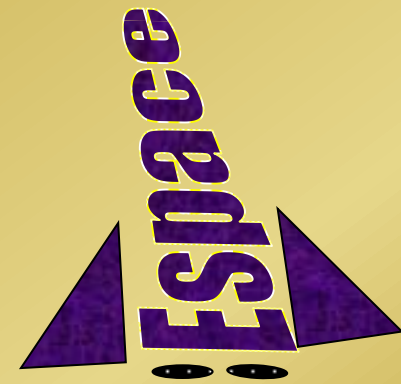
Espace Skills Course



COURSE OUTLINE

Or what you'll be doing
this block

Section 1 – Mission Patches



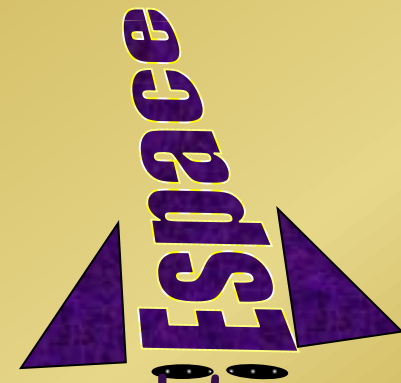
🚀 Team Building including games, tasks, finding strengths and weaknesses

🚀 Mission Patches

🚀 Must show diagrammatically what you hope to achieve in this course



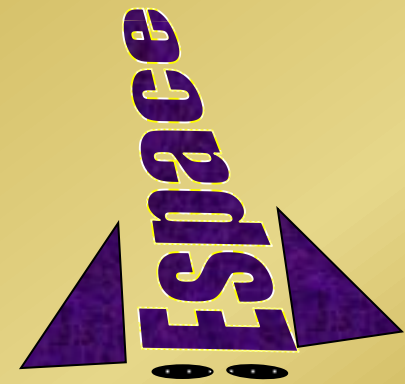
Section 2 -Living in Space



 Crash Landing on the Moon, what would you take what would NASA take?

 This task will increase the French vocab.
Pupils will be given the words in French they have to translate and then choose what they would take across the moon.

Section 2b - Basic Needs



Basic Needs of Humans

 What are they?

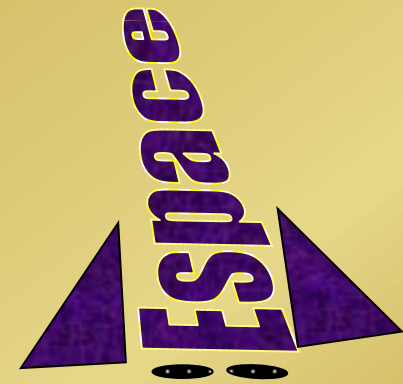
 Why are they vital

 What can you use in space?

Project work

 Choose on or all of the basic needs and find out how these can be managed in space

Section 3 - The Space Programme

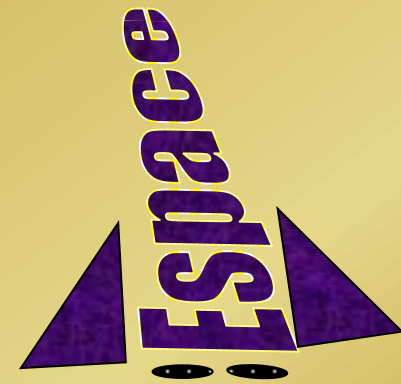


 From Chinese Rockets to the ISS
Follow the Human Space Flight
Programme and other Non Space
flights

 Choose one Mission that you think is
important and say why. Could this be a
French writing piece?

 Include the failed Missions, Apollo 1,
Challenger, Columbia, and all the USSR
failures.

Section 3 - The Space Programme



- 🚀 Look at all the Firsts in Space
- 🚀 Use Videos from Youtube, The Complete COSMOS DVD and if time allows the Challenger Disaster
- 🚀 Produce a TIME LINE of the Space Programme in Groups

Section 3- The ISS

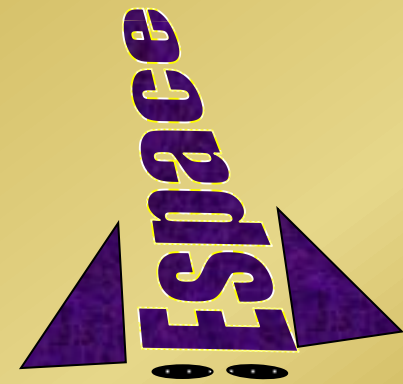


The ISS

Practicals, Notes Life aboard as the greatest collaboration of the Space Race.

Use the ISS Resource kit which gives practicals, information etc.

Section 4 - What is Out there?



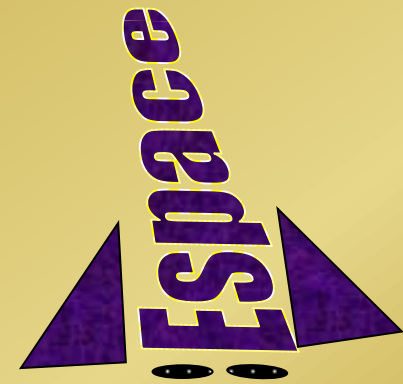
Our Place in the Universe

 What is the Universe.

 Learn the terms, Universe, Galaxy, Nebula, Star, Sun, Planets, Moons, Comets, Meteors, Asteroids etc in French and English and understand their meanings

 Have a concept of how large the universe is.

Section 4 - What is Out there?



Use the Faulkes Telescope to choose some aspect of Space to Photograph and find out more about that area of space and some of the Scientists involved in exploring this



The search for Exoplanets



Talk from Tanya from the Royal Observatory



The Goldilocks Zone- where we might find life

○ The Story of Goldilocks and the Three Bears in French

Section 5- Space Agencies



What are they?



ESA



NASA



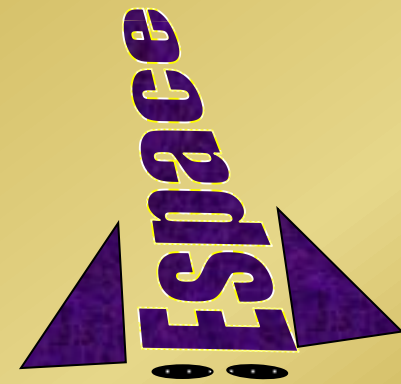
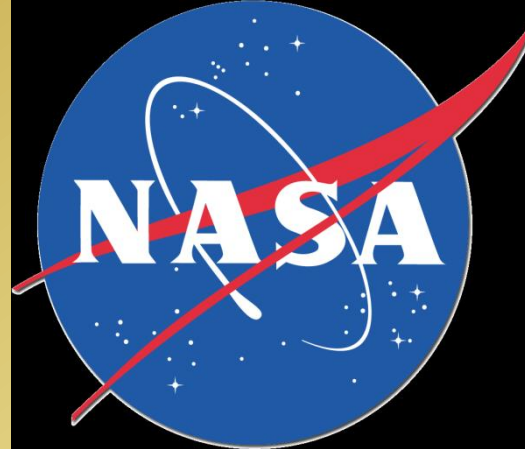
Russian Federal Space Agency



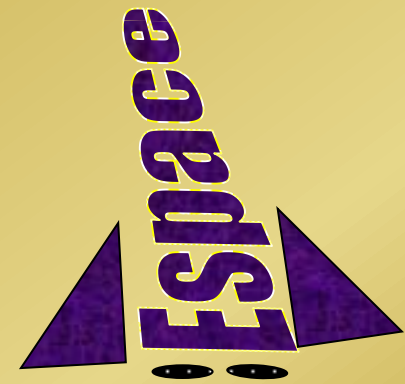
What jobs can they offer?



Choose ONE job that you can do



Section 6- Rockets



🚀 Newton's Laws of Motion

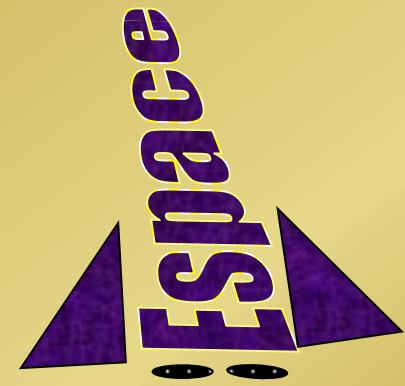
🚀 Types of Rocket

🚀 Building rockets

🚀 Fun with rockets



Section 7- Where do we go from here?



- Toulouse
- Jodrell Bank
- UK Space Centre (Leicester)
- Any other adventures
- Possible podcast with an astronaut
- Letters to ESA