



JOURNEY TO SPACE: TECHNOLOGIES USED

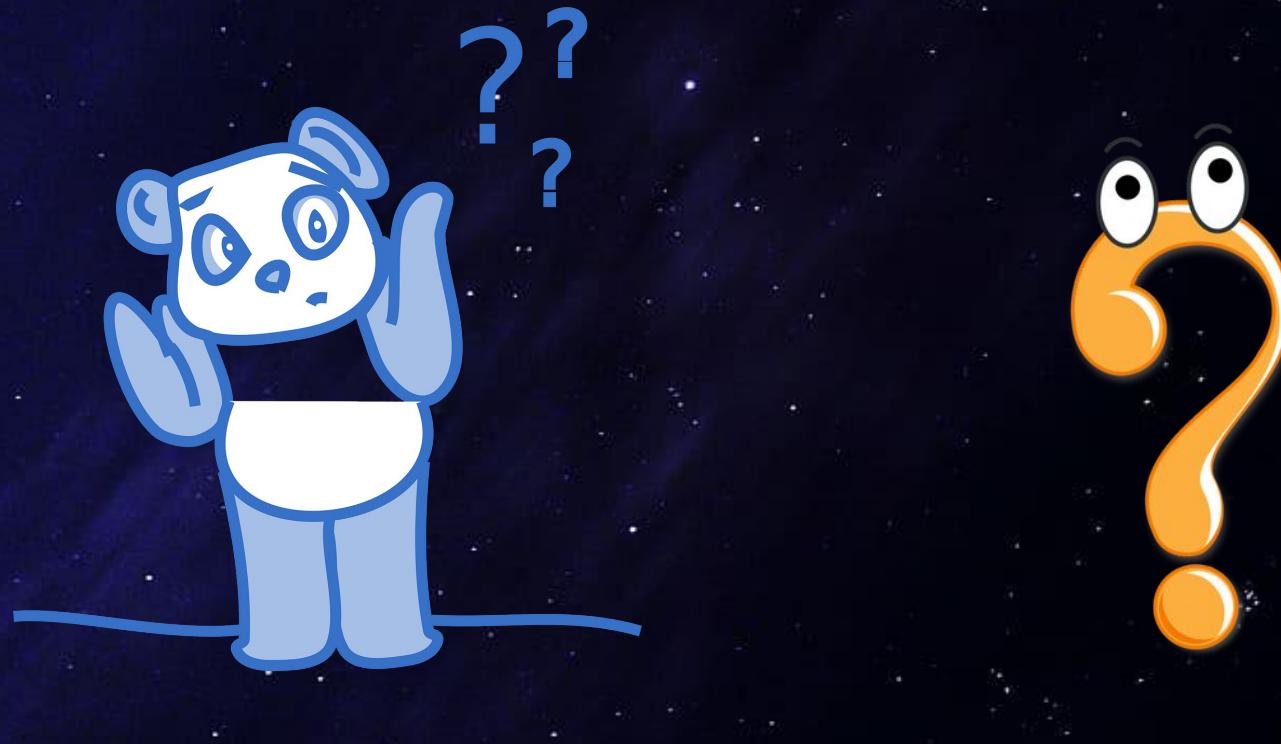


DO YOU WANNA GO TO SPACE ?



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SO HOW DO YOU GO TO SPACE ?



JUST LIKE WE USE CARS AND BUSSES TO GO TO OUR SCHOOLS AND CLASSES.....



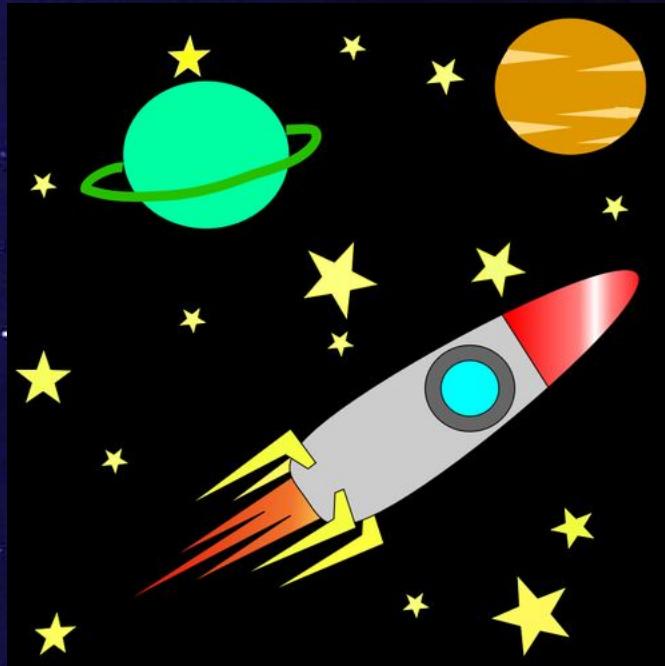
IN THE SAME WAY, WE USE SOME VEHICLES TO GO TO SPACE.



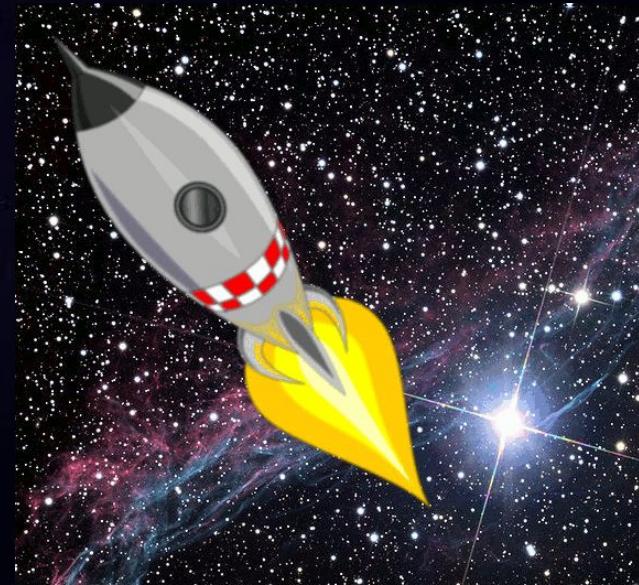
ANY GUESSES WHAT
ARE THEY CALLED?



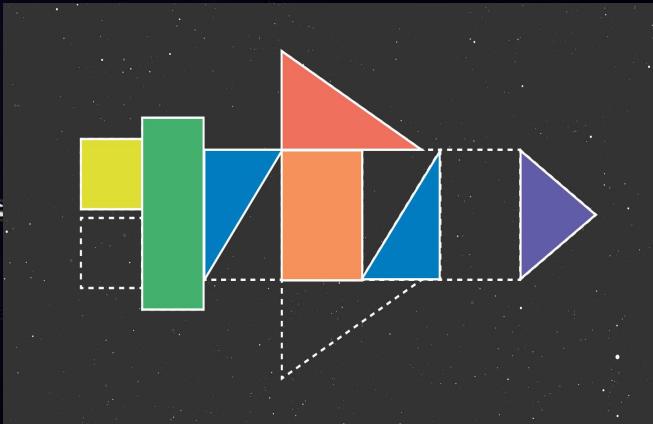
THEY ARE CALLED ROCKETS !!!



ARE AEROPLANES SAME AS ROCKETS ??



ARE AEROPLANES SAME AS ROCKETS ??



WHAT IS THE DIFFERENCE BETWEEN PLANES AND ROCKETS ???

AEROPLANES :

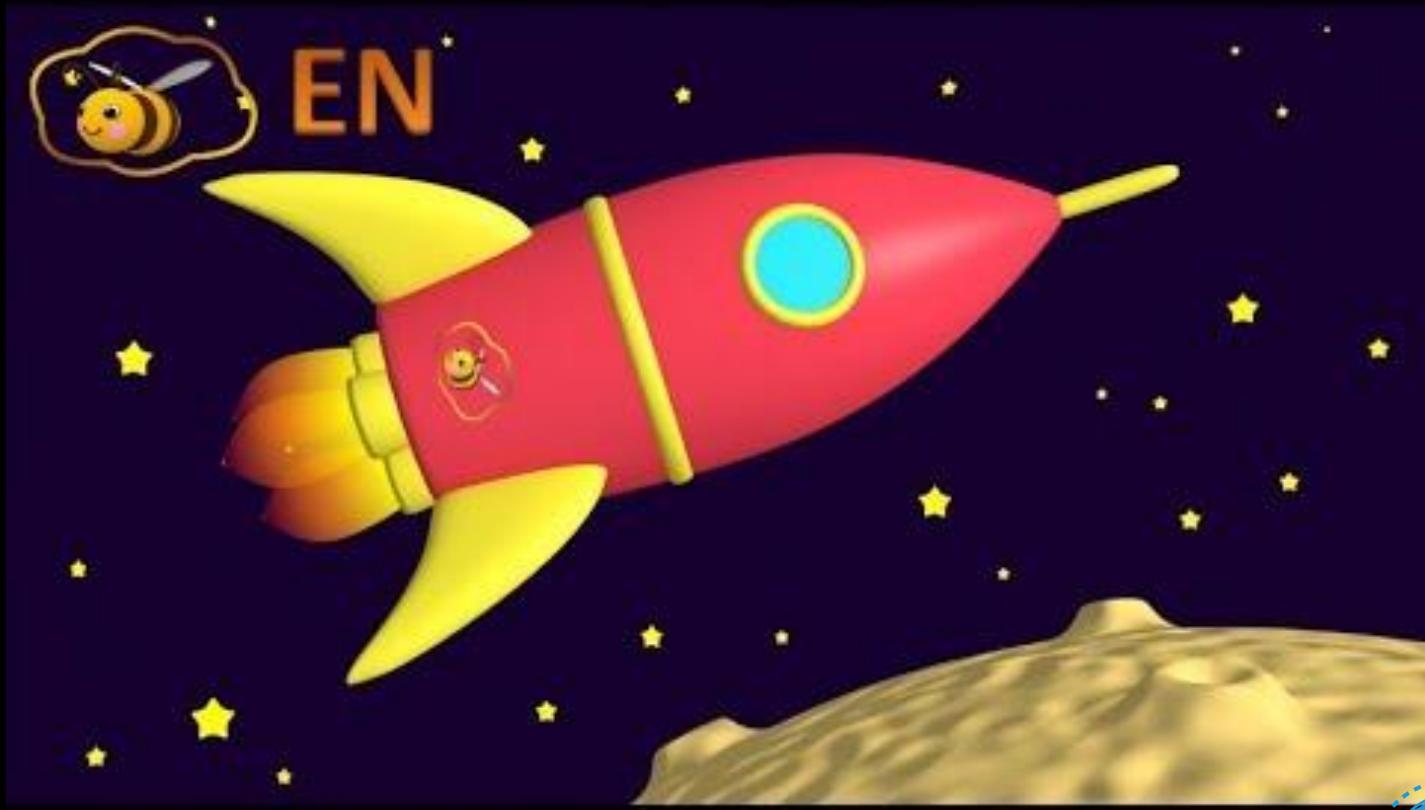
ARE USED FOR PASSENGERS
TO FLY IN AIR TO REACH
DIFFERENT PLACES ON
PLANET EARTH

ROCKETS :

ARE USED TO HELP
ASTRONAUTS AND
SATELLITES GO TO SPACE
(BEYOND THE EARTH)

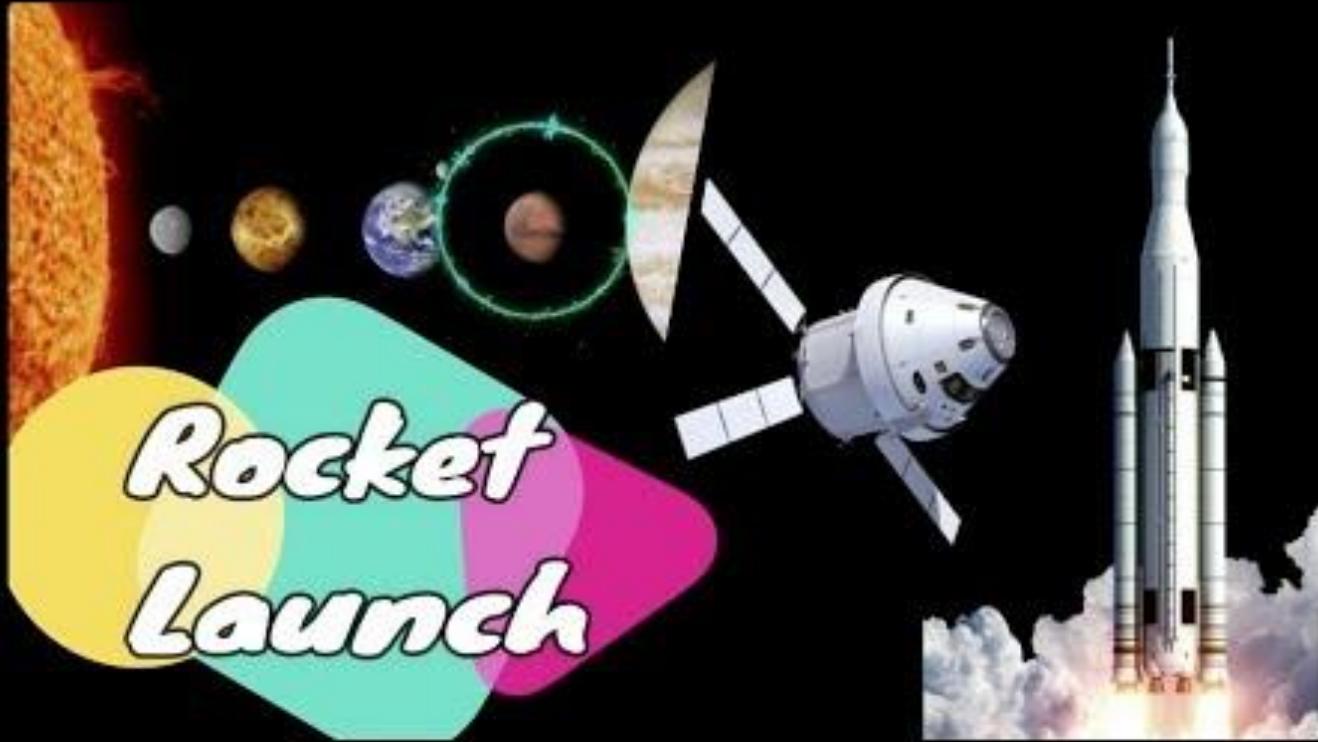
LET US NOW SEE HOW
DOES A **ROCKET** LOOK
LIKE WHEN LAUNCHED
TO SPACE





LET US TAKE A LOOK AT A
REAL **LIFE SIZED ROCKET**
LAUNCHING INTO SPACE





SO WHO DO YOU THINK CAN GO TO SPACE ??

- 1. ASTRONAUTS**
- 2. SATELLITES**
- 3. MUSICAL INSTRUMENTS**
- 4. GOLDEN RECORD DISKS**

AND.....

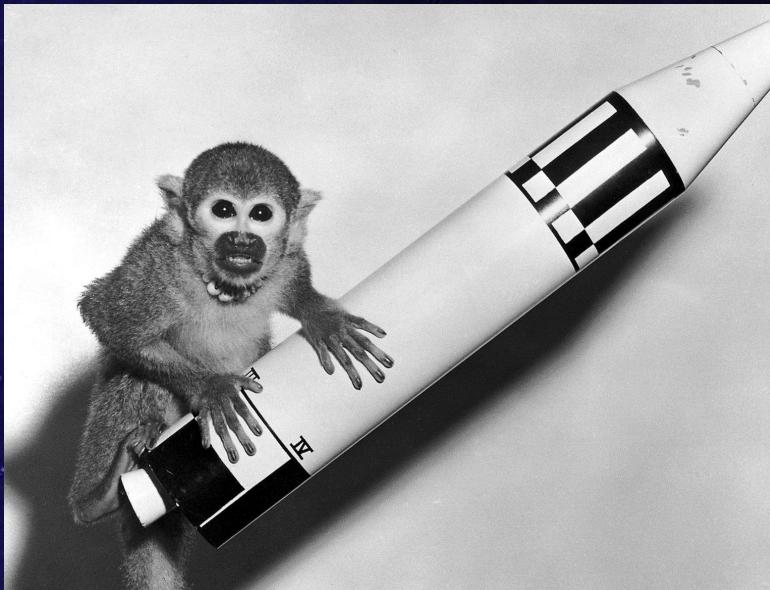
- 5. ANIMALS TOO....**



CAN YOU GUESS ALL THE ANIMALS
THAT HAVE BEEN LAUNCHED INTO
SPACE BY ROCKETS?



MONKEYS



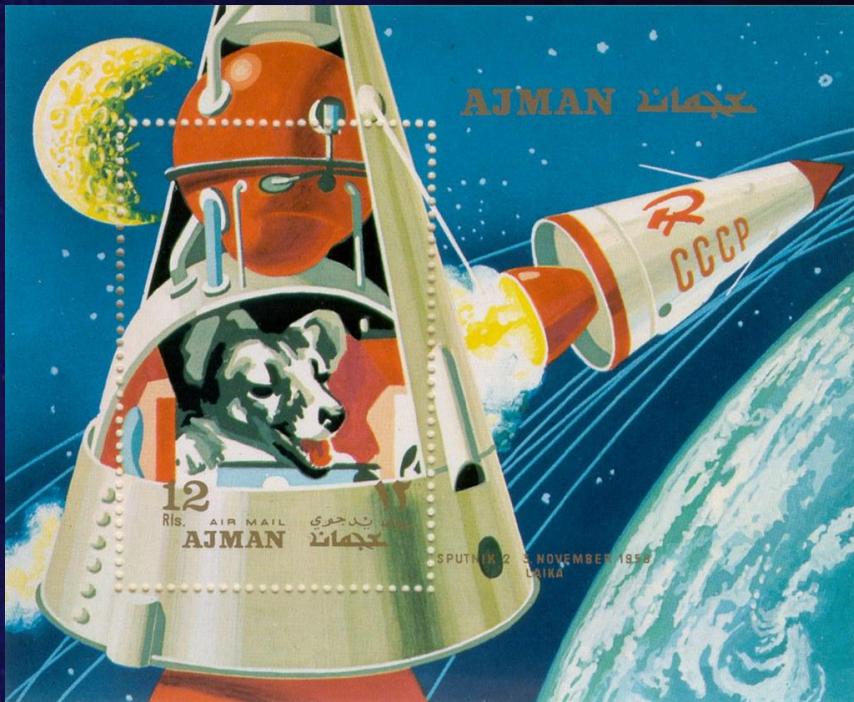
NAME: ALBERT

CHIMPANZEE



NAME: HAM THE CHIMP

DOGS



NAME: LAIKA

CATS



NAME: FELICITTE

TORTOISE



MICE



FE, FI, FO, FUM, PHOOEY

HORSEFIELD'S TORTISES



LAIKA THE DOG

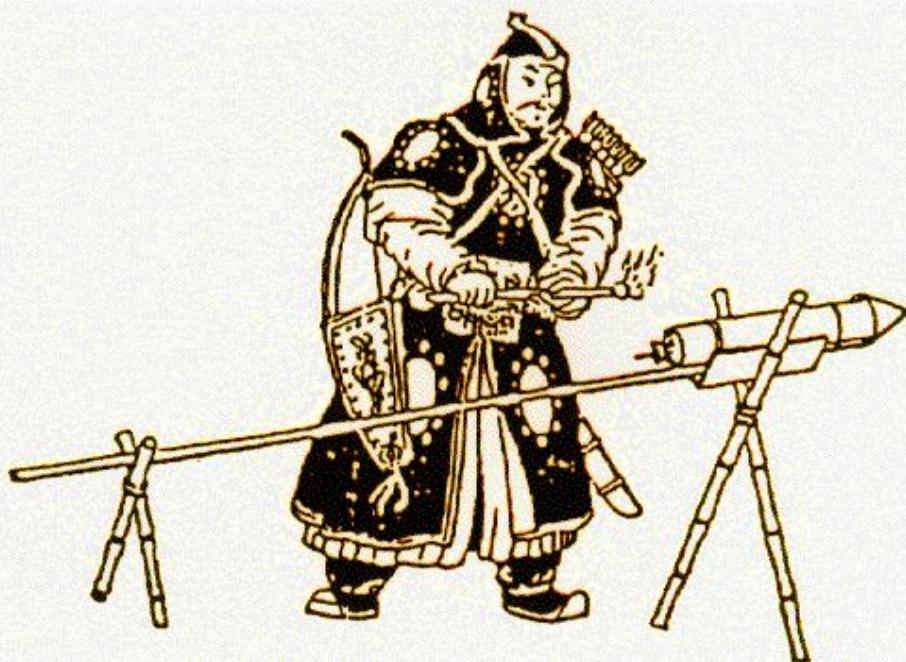
- LAIKA WAS THE FIRST DOG IN SPACE AND FIRST ANIMAL TO ORBIT THE PLANET EARTH
- LAUNCHED IN THE RUSSIAN SATELLITE SPUTNIK-2 IN 1957



HISTORY OF ROCKETS

1. THE FIRST FORM OF ROCKETS WERE FIREWORKS
2. BUT BEFORE THAT, THE CHINESE USED FIRE ARROWS FOR BATTLES

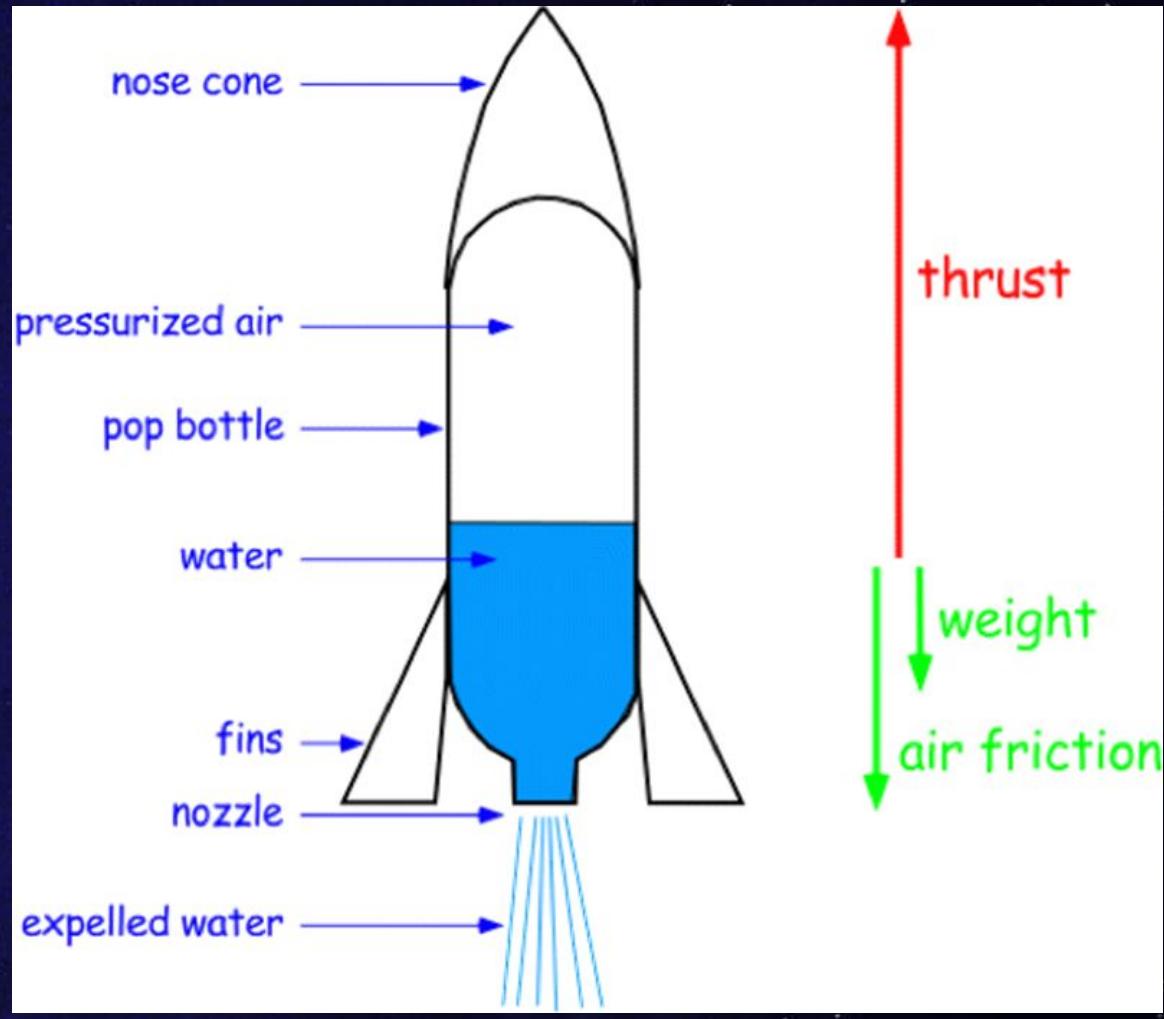
Chinese Fire arrows



Battle of Kai-fung-fu (1232 AD)

HISTORY OF ROCKETS

1. THE FIRST FORM OF ROCKETS WERE FIREWORKS
2. BUT BEFORE THAT, THE CHINESE USED FIRE ARROWS FOR BATTLES
3. AND IN FIRST CENTURY A.D., HERO'S ENGINE PRINCIPLE WAS PUT FORTH



BASIC PARTS INSIDE A ROCKET

TYPES OF ROCKET

1. CHEMICAL ROCKETS
2. HYDRO ROCKETS

NOW LET US LOOK AT WHAT HYDRO ROCKETS ARE

HYDRO ROCKETS

THERE ARE TWO TYPES OF HYDRO ROCKETS

SINGLE STAGED



MULTI STAGED



**LET'S TAKE A LOOK AT SOME REAL LIFE
SIZED ROCKETS !!!!**

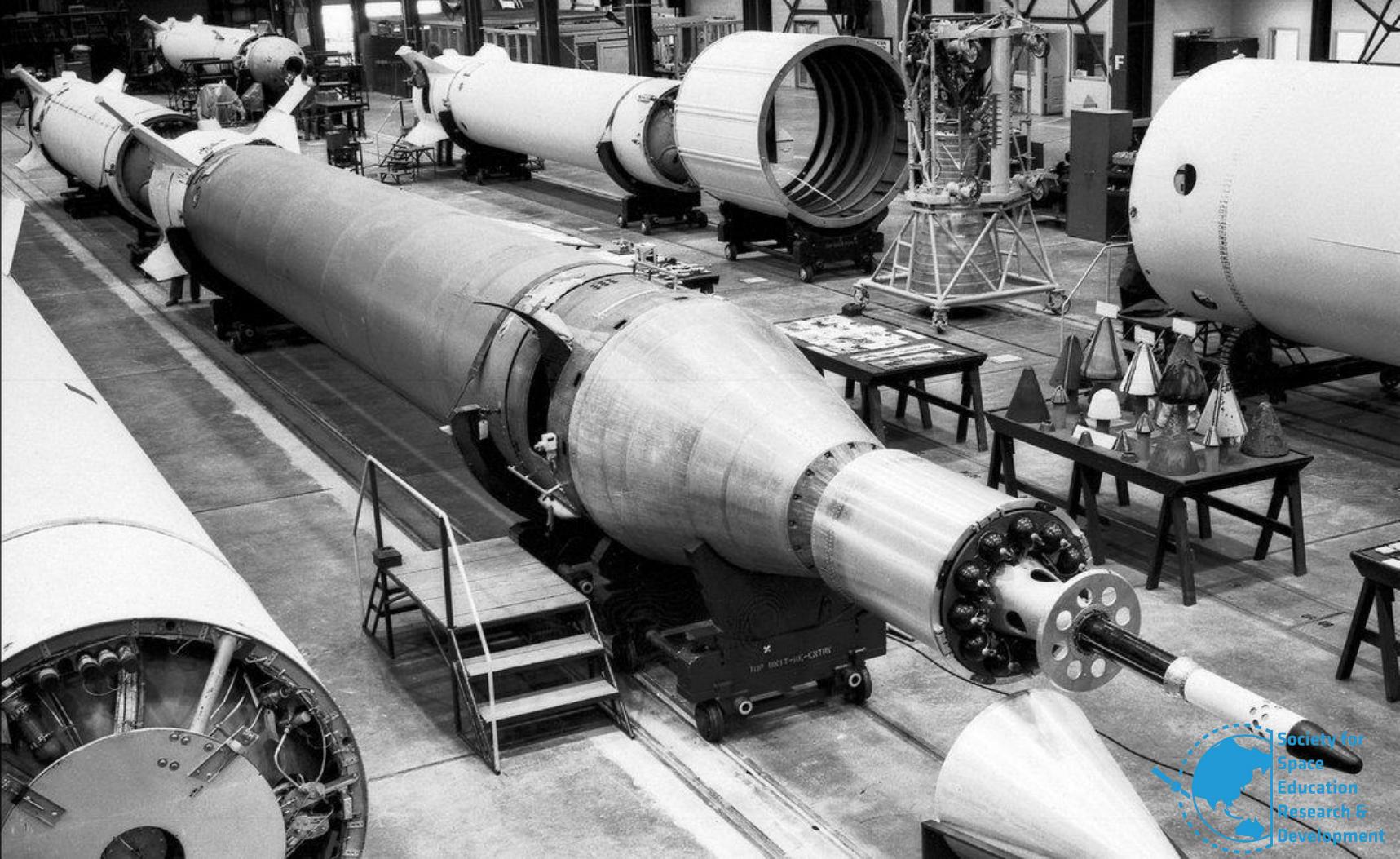




R-7 Semyorka ICBM



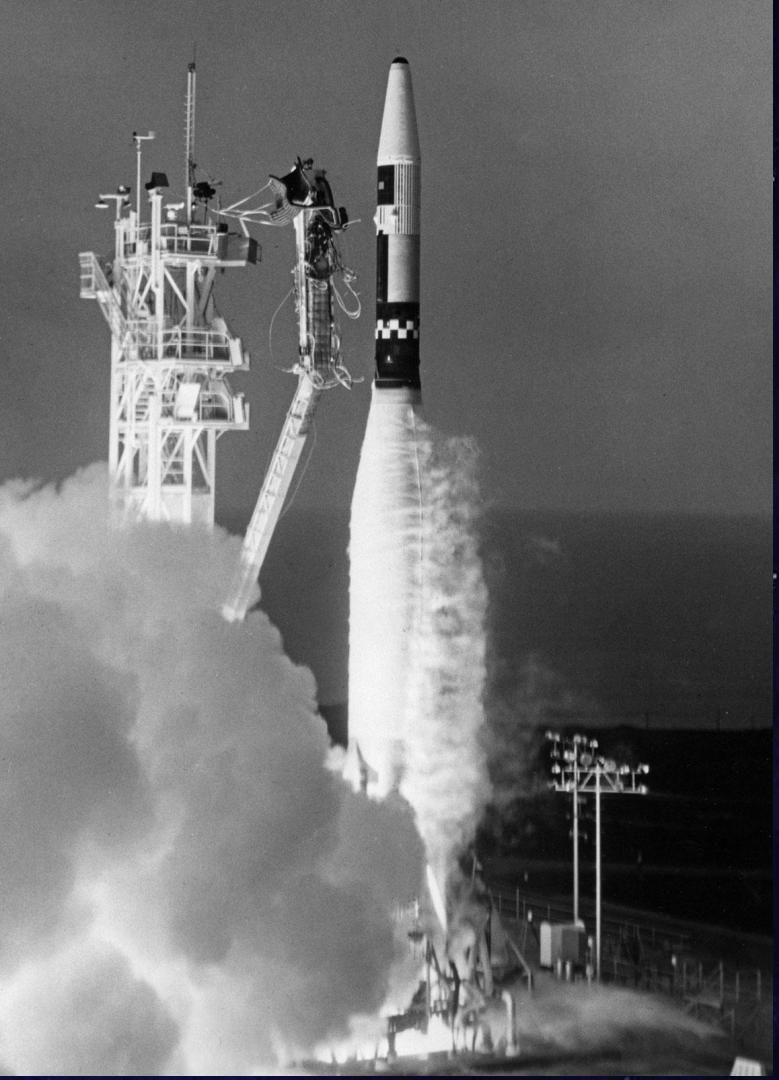
Explore AS One





Mercury - Atlas 6





Atlas Agena

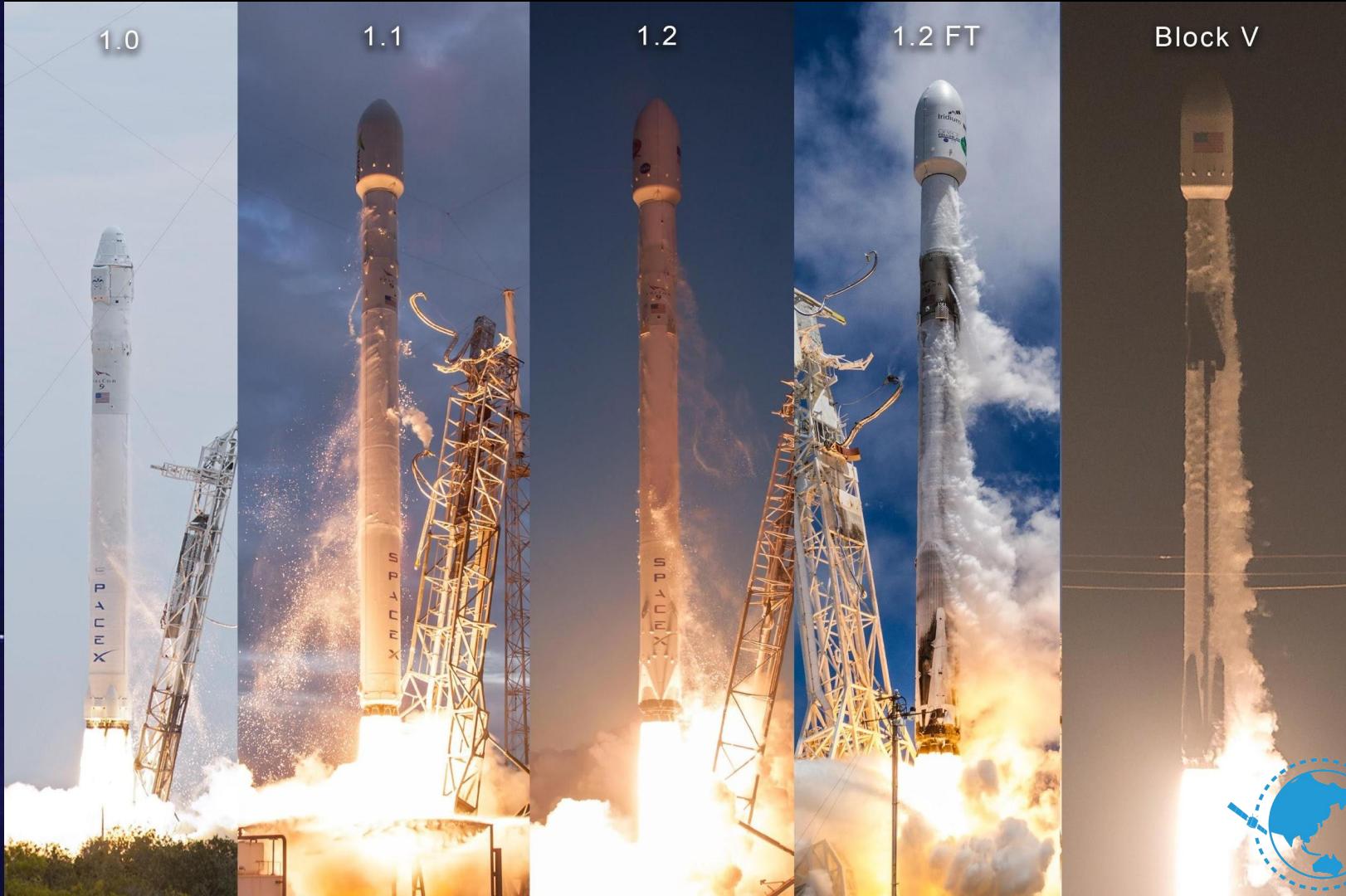






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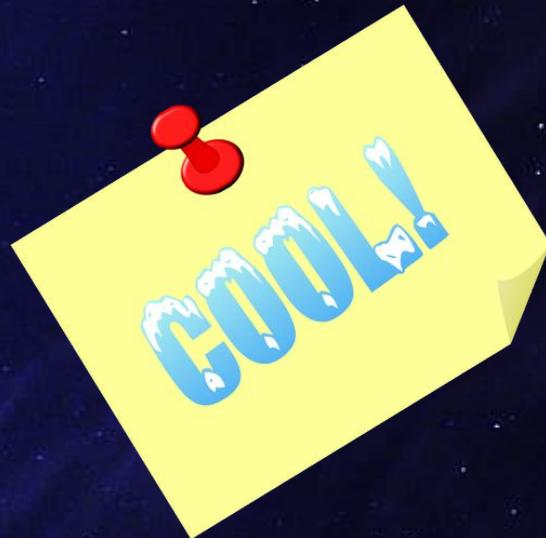




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NOW LET US WATCH A FEW VIDEOS OF
ACTUAL ROCKET LAUNCHES INTO SPACE.



FALCON HEAVY LAUNCH VIDEO





STARSHIP LAUNCH VIDEO





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THE SIMPLE MECHANISM OF ROCKETS RELEASING INTO SPACE

Balloon
Rocket!



ACTIVITY

- Make the DIY balloon rocket as shown in the video.
- And use the given below links to make YOUR OWN SUPER COOL ROCKET!!!!!!
- Use any available chart papers or drawing sheets in your house, a pair of scissors, glue.....and you are ready to go.
- You can colour or paint them as much as you like....BE CREATIVE!!
- There are three video links provided.....feel free to choose any one of them :)
- Send us pictures of you own DIY rocket and flaunt them all around !!!!!
- Here are the links:-

<https://www.youtube.com/watch?v=Z3mHbI96Aqw>

<https://www.youtube.com/watch?v=0hThMoHB88w&t=5s>

https://www.youtube.com/watch?v=_FsqPipN5HI



THANK YOU !!!
FEEL FREE TO ASK ANY
QUESTIONS.

