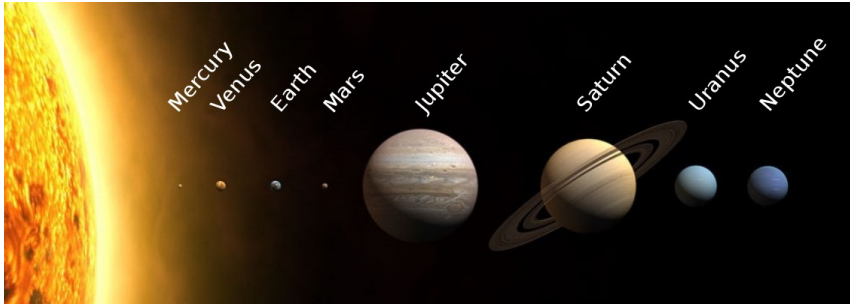







# INTERGALACTIC INVESTIGATORS

## Phase One - What planets make up the Solar System?

You will begin by learning how humans have gained a greater understanding of the **Solar System**. After comparing the **Geocentric** and **Heliocentric** models, you will create a **database** to demonstrate important facts about the eight planets.



Having appraised ‘The Planets’ by the composer Gustav Holst and learned the **musical terminology** and **notations** used on Earth, you will compose your own rhythms based on your home planet.

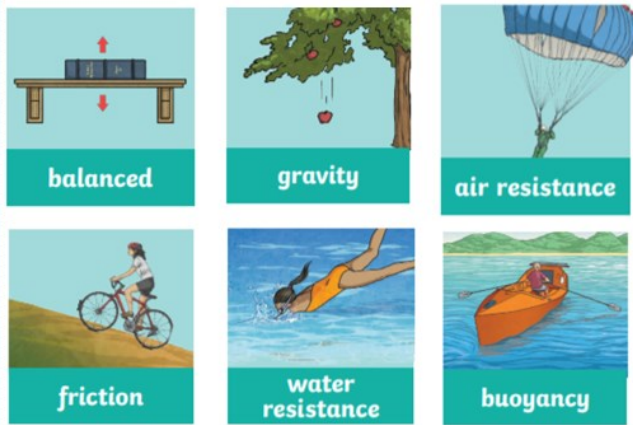
semibreve		whole note - four beats
minim		half note - two beats
crotchet		quarter note - one beat
quaver		eighth note - half beat
quavers		eighth notes - half beats

## Phase Two – What forces are there?

The second part of your mission will involve taking a closer look at planet Earth and learning about different **forces**.

Forces can make things move, change their speed, or change their shape.

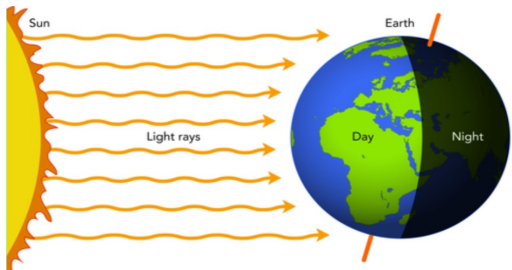
During this phase, you will ‘PLAN, DO and REVIEW’ different experiments looking at **gravity**, **air resistance** and **water resistance**.



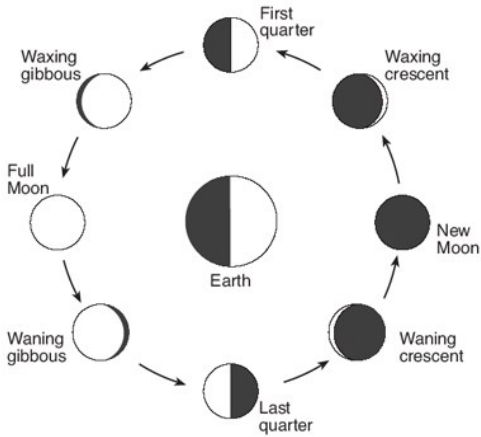
Your home planet has sent you on a mission to travel to the Milky Way to explore the Solar System that contains planet Earth. You will complete daily logs in order to report back to your superiors. Your goal will be to produce a **multi-media presentation** of your key findings to send back home.

## Phase Three – What relationships are there between the Sun, Moon and Earth?

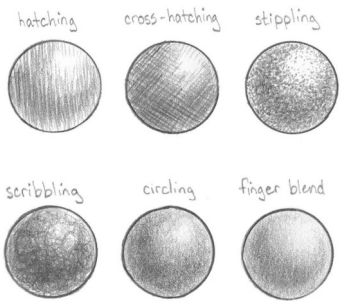
Here, you will learn that the Earth is a sphere which spins round and round (**rotates**) as it travels around (**orbits**) the Sun. One side of the Earth faces the Sun while the other faces away into space. **This is what causes day and night.**



You will also learn that as the **Moon orbits Earth**, its varying position means that the Sun lights up different regions, creating the illusion that the Moon is changing shape over time.



Having observed the Moon, you will learn techniques to create different **tones** and **texture** using the medium of pencil drawing in order to produce your own sketch of the Moon.



## Phase Four – How do you create a multimedia presentation?

Finally, you will produce **multimedia presentation** (a type of presentation that uses several different forms of communication to get the message across). You will learn how to create hyperlinks, transitions, inset audio and other forms of media.