**Science:**

Forces - Look at a range of different forces: gravity, air resistance, water resistance & friction. Develop an understanding of balanced & unbalanced forces & their effects. Investigate how mechanisms, like levers, pulleys & gears, help us to use smaller forces.

**Attainment Targets:**

* I can explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. (y5)
* I can identify the effects of air resistance, water resistance and friction that act between moving surfaces. (y5)
* I can recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect. (y5)

**History/ICT:**

1. Natural disasters over the last hundred years

Timeline – Children create a timeline of major disasters 100 years throughout history. \* Children get different pictures and place them in order –.

**Attainment Targets (History) (ICT):**

* Use search technologies effectively.

**The Hook:**

Children watch a video on natural disasters.

Activity –.Children Look at pictures and identify the type of natural disasters. Children to write what they know, what they want to know and how they are going to find out.

**Literacy:**

*\*Leon and The Place Between.*

*Descriptive Writing – Retell/New*

*Diary Entries – Different Perspectives*

*Discursive Writing – Arguments For and Against*

***Attainment Targets (English)***

* *Describe settings, characters and atmosphere and integrate dialogue to convey character and advance the action.*
* *Identify the audience for and purpose of the writing, select the appropriate form and use other similar writing as models for their own.*
* *Use a wide range of devices to build cohesion within and across paragraphs.*

**Natural Disasters**

**Art:**

\*Sketching – chn will create sketches of tornadoes

\*Painting – Chn will create a painting of their finished product (volcano).

**Attainment Targets:**

• to improve their mastery of art techniques, including drawing and painting with a range ofmaterials [for example, pencil, charcoal, paint]

**Design and Technology:**

Building a stable structure that could survive an earthquake.

Build a model volcano.

Pulleys and gears. (Understand Mechanical systems and their uses)

**Attainment Targets:**

* Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]
* Apply their understanding of how to strengthen, stiffen and reinforce more complex structures

**Physical Education:**

\*Gymnastics – Children develop their own gymnastic routines. They could then evaluate and compare other performances and suggest ways for improving them.

\*.Children take part in a range of invasion games (Rugby, hockey, etc.)

**Attainment Targets:**

* Perform dances using a range of movement patterns
* Compare their performances with previous ones and demonstrate improvement to achieve their personal best.

**Music:** Taught by peripatetic professionals.

**Attainment Targets:**

* Listen with attention to detail and recall sounds and instruments with increasing aural memory.
* Improvise and compose music for a range of purposes.
* Play and perform in solo and ensemble contexts.

**Geography:**

**What are Natural Disasters?**

**Volcanoes, Earthquakes, tsunami, hurricane, tornadoes.**

**Attainment Targets:**

Locational Knowledge: Locate the world’s countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities

* Human and physical geography ♣ describe and understand key aspects of: ♣ physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes,