**INTRODUCTION**

**What are Plastics?**

Plastic are actually found by Alexander Parkes at London in 1862. First plastic was made up from cellulose and it was a bio-based product. Then it was developed into the production of cellophane tape that used for packaging. From tape it was the productivity was updated until the creation of food packaging for militaries and eating utilities.

As we can see, we often use the plastic in our daily life. Even the plate that we used for taking our dishes also contains plastic. Plastic are there are many products are made up of plastics. From our household materials to the industrial product.

Plastics are actually polymers and formations of engineering with chemistry. Polymers are, chain of molecules that link together. That is why many plastic products are called *poly*. For example, polyethylene, polystyrene, and polypropylene. Most of the molecule that contains in the polymers are carbon and hydrogen. Other than that, they might also combine with oxygen, nitrogen, sulphur, chlorine, fluorine, phosphorous, or silicon.

Plastics or polymers can be classified into many types. We often see the lightweight and soft plastics at our home or nearby environment. Actually, it could be moulded, combined, cast or blown into any shape and could form textile by drawn it into fibres. Even coatings, glues and sealants are made up of plastic too.

Most of the plastics products are used in our daily lives are water bottles, plastic bags that allow us to carry a lot of things, pillows that make us comfortable at home and others.

Why Are Plastics Harmful?

* **Decaying rate**

It will take 1000 years to decompose plastic bags that we used in our daily routine.

This may cause the quantity of garbage to increase and take a longer time to reduce the junks.

* **Harmful to Nature**

The plastics products that are disposed in not-controlled way may cause the damage to eco-system. By disposing it into the wrong place other organism such as animals might thought that the plastics are food for them. By consuming the plastic, they will die due to suffering by starvation. When the plastic enters their body, it will be stuck on their stomach and will cause no food to enter their body.

* **Releasing injurious toxic into mother nature**

While, stacking up the plastics together would not help to decomposed because it will lead to toxification to the underground water. This will cause the marine life get infected by dangerous virus irresponsible disposal of plastic waste.

* Flash Flood

Too many waste in the form of the plastic clog the drainage