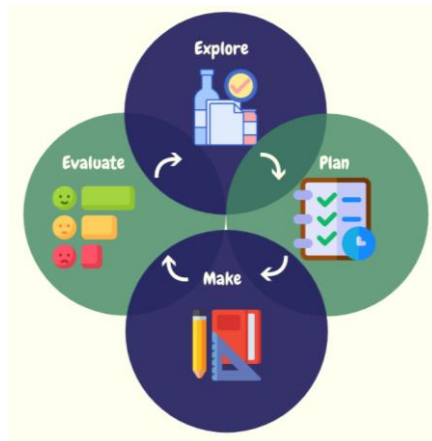


## Designing and Making- in a Nutshell!

Designing and Making is the technical component of the Science Curriculum where children apply their scientific knowledge to practical problem solving situations. Children of all class levels will engage in age appropriate designing and making activities which will be linked to the scientific concept being taught at the time. Ideally a unit of work in designing and making should follow the skills process outlined below.



### Exploring

- Children engage in structured and unstructured play with the materials and objects with which they will work. Plenty of time needs to be afforded for free exploration and manipulation of textures, shapes and structures in order that they will choose suitable materials for the task.

### Planning

- The children plan and design the object that they will make. Group work should be encouraged here to facilitate the collective exchange of ideas. The teacher can scaffold this process with the use of effective questioning.

### Making

- Children will make what they have designed using a variety of appropriate tools and materials.

### Evaluating

- Children review their work and that of others. They examine how the finished product compares with the original design proposal. They make their own suggestions for improvement and modifications.