

### **Topic/science**

The children will use a range of resources, including ICT, to research the solar system and beyond, building on their knowledge and understanding from year 2. They will label the solar system and will learn about each of the planets physiology, they will also think about how this affects the planets ability to sustain life. They will have the opportunity to design their own planet, taking into consideration the atmosphere, surface, biology and chemistry of this planet which will then be 'launched' into our solar system. Children will get the opportunity to track their planet to see if it will survive, adapting conditions as necessary. They will research the life cycle of stars and begin to understand that our galaxy is part of many which make up the universe. They will use ICT software to look at how the detectives solve crimes and will solve many investigations for the "Intelligence Bureau Investigation". Children will record their work in a variety of ways including; written reports, graphs, charts and diagrams.

### **RE**

Children will look at celebrations in various different faiths and religions including Buddhism, Judaism and Christianity. They will discover what it means to be part of a community and will widen their understanding of how different people live both within our own country and in those overseas. Through group work, internet research and watching video clips children will learn about various religious festivals that take place all over the world.

### **Art**

Children will design a logo for their 'sub-company' and will make I.D badges to wear when "on duty". Children will design their own planet and decorate using a variety of mediums to suit the planets physical features. They will also design an alien which is adapted to live in this environment. Children will study the work of astronomical artists (such as Ravenswaay, Bohme and Tucciarone) who specialise in bringing alien worlds to life based on scientific information rather than imagination. Children will produce art work in this style, evaluating whether they think imagination or realism is more important when it comes to art.

## The Unknown



### **Design Technology**

The children will make a model of their planet, taking into consideration weight surface, atmosphere, tilt and rotation. They will build this and discuss the chances of it surviving in our solar system.

### **ICT**

The children will use ICT to support learning in other curriculum subjects. They will undertake research using selected websites and software. They will use a range of presentation programs to present their work, including Word and Publisher. They will be introduced to databases and will carry out detective style searches as part of a "who done it?" style police investigation. The children will also visit the CLC to take part in a CSI:Newcastle investigation.

### **PHSCE**

Children will study stories in the local, national and international news. We will also be discussing different communities and how everyone should be treated equally, this will complement work in R.E.

### **German**

The children will continue to learn conversational German through a range of games and practical activities.

### **Music**

The children will have weekly recorder lessons and music lessons led by Mrs Brown