



### **SOCIAL DEVELOPMENT**

- Group practical work when investigating and researching – working scientifically collaboratively
- Team working skills and taking responsibility
- Taking responsibility for their own and other people's safety
- Understanding that science has a major effect on the quality of our lives
- Consider the benefits of scientific developments and the social responsibility involved

### **MORAL EDUCATION**

- Development of open mindedness to the suggestions of others – ideas respected and valued
- Scientific developments may give rise to moral dilemmas or mistakes
- Considering the environment
- There are many moral and ethical issues that we cover in science including discussions about environmental and human issues



## SMSC in Science

### **SPIRITUAL EDUCATION**

- Science is all around us
- Pupils to become increasingly curious
- Looking for meaning and purpose in natural and physical phenomena
- Awe and wonder about what is special about life
- An awareness of the scale of living things from the small micro-organism to the largest animal on our planet
  - The interdependence of all living things and materials of the Earth
- Emotional drive to know more and to wonder about the world



### **CULTURAL DEVELOPMENT**

- Scientific discoveries as a part of our culture/others
  - Scientific discoveries by a wide range of men and women in many different cultures – not a stereotypical view of what a scientist should look like
- Environmental issues are central to science – impact how we will live in the future
- By taking children on visits to different habitats and areas within the local environment e.g. visits to local river (Y3), Plymouth Aquarium (Y4), Eden Project (Y4) and Hillier Gardens (EYFS).

