SCIENCE				
Intent		Our Deheuier		
Our School Values		Our Behaviour Charter Be Safe Good presentation-IWork and self		
Working Together happiness		Be SafeGood presentation- Work and selfBe KindRespectful- people and property		
achieving our potential		Be Great Embrace challenge- Have a go; take a risk		
fairness and equality		Aim high- aspire and achieve		
kindness		Try your best- use your 'learning powers'		
safety and security		The sect accesses is a section of the section of th		
Subject Intent				
	velop toward	s the Essential Ch	aracteristics © of being a scient	ict
What structure is this based upon?	During Reception, Knowledge and Understanding of the World is developed through the interests of the children. This begins the journey of experiencing and observing simple scientific concepts. In Years 1-6, the statutory National Curriculum provides the basis of our planning. Some aspects of physics are introduced in KS1 in addition.			
How is it organised?	Science is taught as a discrete subject and is planned as a half term unit with six units per year, dependent on the year group. The units are based on the knowledge content of the National Curriculum and include aspects of investigations in Working Scientifically.			
Why is it important?	At Thorns, we consider that is essential for the children to make sense of the natural and physical world around them. Beyond the knowledge acquisition, we believe it is important to develop the ability to ask questions, collect information, organise ad test out our ideas and apply what we learn.			
What knowledge will they learn?	Children will learn about key aspects of knowledge and understanding of Biology, Chemistry and Physics across KS1 and KS2. This will include key people and subject -specific vocabulary. Further information can be found in the knowledge organiser for each Science Unit or contacting the school.			
What skills and concepts will they develop?	Throughout KS1 and KS2, four Th Working Scientifically			science. Physics Understand movement, forces and magnets This concept involves understanding what causes motion. Understand the Earth's movement in space This concept involves understanding what causes seasonal changes, day and night. Investigate light and seeing This concept involves understanding how light and reflection affect sight. Investigate sound and hearing This concept involves understanding how sound is produced, how it travels and how it is heard. Understand electrical circuits This concept involves understand electrical circuits
What opportunities are there to develop Learning Powers in this subject?	Curiosity e.g Having questions about scientific phenomena or the natural world. Concentration e.g making connection and links to other learning. Resilience e.g able to solve problems or challenges Co-operation e.g able to discuss evidence from scientific findings with others. Self-improvement e.g having opportunity to revisit a Thematic Concept and improve on this.			