**Science** – Intent

At Stathern Primary School we incorporate the statutory objectives of the National Curriculum into our science curriculum. This includes different scientific programmes according to year groups including: plants, animals, electricity, evolution and inheritance. These programmes, where possible, are integrated into the overall topic which generally change half termly. The objective of our different topics is to provide our pupils with a creative, enterprising and inspiring curriculum that provides cross-curricular links and a purpose for learning.

Within all key stages, EYFS, KS1 and KS2 we try to include links with organisations such as The Osprey Project at Rutland Water, Food for Life and the Soil Association, a local eco- farm that covers food and growing or The Animal Lady who discusses endangered animals.  This might mean we invite a visitor to work with us in school on the planning of the topic, working with the children in school or the opportunities for a class trip out of school. We try to offer the children opportunities to develop an awareness of scientific world issues, previous areas covered have included endangered animals, plastic pollution, reduce, reuse and recycle and climate change.

Children will complete their own year group programme of study within their creative class topics, but when appropriate, we try to combine the year groups so that they can work on an area together, for example Class 4 and Class 2 worked together investigating and discussing climate change and how it affects our world. This emphasises our school`s ethos through a nurturing approach, it inspired the children working together, they discovered information and problems together and then created posters to tell the rest of the school. Class 2 also provided Class 1 with seed packets for their growing topic and encouraged the children to grow their own plants and they also joined Class 1 on a woodland walk which encompassed some scientific objectives.

As a whole school we are involved in a growing and cooking project, this links into our Food for Life Award, our work through Routes2resilience and Mental Wellbeing. We grow vegetable on the school premises in plastic and wellie boots as part of our recycling campaign and the children have the opportunity to grow vegetables for our cooking in vegetable boxes at the village War Memorial Hall.

**Scientific Enquiry**

Within the different science programmes of study, we will include lessons that develop the pupil`s scientific enquiry skills, this may be through planning and completing investigations or paired and individual research. The skills learnt during scientific enquiry activities are all progressive and the children build on their skills throughout each year group.