



Winterton Junior School

Science, Technology and Communication Policy

Introduction

Science, Technology and Communication (ST&C) encompasses Science, Computing, and Design Technology. At Winterton Junior School we believe ST&C are important in allowing children to develop an awareness of the world we live in, including communication and information sharing and scientific processes. It is crucial in developing well-rounded children, who are able to use science, information and technology in a safe and effective way, enabling children to be confident, creative and independent learners.

The implementation of this policy is the responsibility of all staff.

Aims and objectives

The aims and objectives of teaching ST&C at Winterton Junior School:

- develop the skills which enable them to find out about the world in which they live.
- develop an ability to use technology safely, in order to find and communicate information.
- develop a simple understanding of scientific processes, in order to explain how and why things happen.
- develop an ability to select and use appropriate equipment and materials for a given task.

We want pupils to be able to use a range of skills to:

- ask and respond to questions
- collect data through fieldwork and/or class-work to help answer these
- process the data
- present what they find
- comment accurately or analyse their findings and reflect on them
- to design and make products for a specific purpose.

Organisation

Science, Technology and Communication will be planned and taught to meet the National Curriculum objectives, and will form part of the schools creative curriculum. The different areas of the ST&C curriculum will be covered as part of

cross-curricular 'themes' which will follow a two year rolling program. To ensure children experience a full and thorough Science curriculum, this will be taught for at least one session per week.

Teaching and learning Style

We use a variety of teaching and learning styles in our ST&C lessons. We use whole-class teaching methods, group work and work requiring individual responses. We combine these with enquiry-based research activities. We encourage children to ask, as well as answer questions. We offer them the opportunity to use a variety of technologies and equipment; such as computers, iPads, cameras, scientific apparatus, and tools for cutting, shaping and joining materials.

INCLUSION

Equal Opportunities

Classroom activities will be planned to challenge and involve all pupils appropriately, according to age and capability, ethnic diversity, gender and language background. We are aware of different learning styles and the need to allow pupils to be able to work in their preferred learning styles for some of the time. We will use materials for teaching which avoid stereo-typing, and bias, towards race, gender, role or disability.

We deal with such issues clearly and sensitively when they arise. Pupils with Special Educational Needs are catered for in teachers' planning and delivery of lessons.

Health and Safety

A written risk-assessment is done for each visit/fieldwork trip undertaken in accordance with school/LA policy. Health and Safety policies and procedures will be followed when children are using tools and equipment. Please see the Winterton Junior School E-Safety policy for further details on this matter.

Assessment

We assess the children's learning by making informal judgements as we observe them during lessons. The schools marking policy is implemented to provide written and verbal feedback in order to aid further learning. Assessment for Learning is used routinely in lessons, enhancing the learning experience and contributing to progress.

Subject Leadership

The subject leader coordinates the subject in line with school policy and expectations. Staff are grouped into subject leadership teams according to their area of expertise. The subject leader will delegate responsibilities to members of their team in line with the action plan.

This policy, as with all other policies, will be subject to review in accordance with any new guidelines.

ST&C Policy written by Holly Dick and Becky Wakefield: July 2013

ST&C Policy accepted by Staff: 2nd September 2013

ST&C Policy adopted by Governors: 17th September 2013

ST&C Policy review date: Summer 2016