

## Curriculum Links Reference Book: Key Stage 1

### **English**

The National Curriculum for English reflects the importance of spoken language in learners' development across the whole curriculum. Through our sessions, the benefits and curriculum links will vary greatly depending on the group, with each session being tailored to the needs of the group.

Sessions will particularly aid in the following:

- Being encouraged to link what they read or hear read to their own experiences
- Recognising and joining in with predictable phrases
- Learning to appreciate rhymes and poems
- Discussing word meanings, linking new meanings to those already known
- Name the letters of the alphabet

The sessions provide multiple opportunities for extended learning, for example:

- Discussing what is read to them, taking turns and listening to what others say
- Comparing and contrasting activities on site to those at school

### **Mathematics**

Mathematics is integral to many Field Studies sessions, helping students become fluid in their approach. The extent to which Mathematics is covered will greatly depend on the needs of the groups.

Sessions may aid in the following:

- Developing confidence and mental fluency with whole numbers, counting and place value
- Recognising, describing and drawing different shapes
- Sorting and comparing shapes
- Solving one-step problems
- Taking and recording a range of measurements

### **Citizenship**

We understand that citizenship education helps young people to develop the skills, knowledge and understanding required to prepare them to play a full and active part in society. The Citizenship curriculum is embedded within practice at Avon Tyrell. Learners are encouraged to work within a team environment, managing their own time and resources, making and debating reasoned arguments, and exploring social issues in a safe environment.

Sessions may support the following areas:

- Developing confidence and responsibility and making the most of their abilities
- Preparing to play an active role as citizens
- Developing a healthy, safer lifestyle
- Developing good relationships and respecting the differences between people
- Increasing the breadth of opportunities

## Science

The principle focus of the Science National Curriculum at KS1, is to enable students to experience and observe phenomena, looking more closely at the natural and humanly-constructed world around them. Field Studies sessions in particular address a wide range of curriculum topics, encouraging students to be curious and ask questions.

### Working Scientifically

1. Asking simple questions and recognizing that they can be answered in different ways.
2. Observing closely, using simple equipment
3. Performing simple tests
4. Identifying and classifying
5. Using their observations and ideas to suggest answers to questions
6. Gathering and recording data to help in answering questions

### Year 1 Programme of study

#### *Plants*

1. Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees
2. Identify and describe the basic structure of a variety of common flowering plants, including trees

#### *Animals, including humans*

1. Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals
2. Identify and name a variety of common animals that are carnivores, herbivores and omnivores

#### *Everyday materials*

1. Distinguish between an object and the material from which it is made
2. Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
3. Describe the simple physical properties of everyday materials
4. Compare and group together a variety of everyday materials on the basis of their simple physical properties

#### *Seasonal changes*

1. Observe changes across the four seasons
2. Observe and describe weather associated with the seasons and how day length varies

### Year 2 Programme of study

#### *Living things and their habitats*

1. Explore and compare the differences between things that are living, dead and things that have never been alive
2. Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other
3. Identify and name a variety of plants and animals in their habitats, including micro-habitats

#### *Plants*

1. Observe and describe how seeds and bulbs grow into mature plants
2. Find out and describe how plants need water, light and a sustainable temperature to grow and stay healthy

#### *Animals, including humans*

1. Notice that animals, including humans, have offspring which grow into adults
2. Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
3. Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene

### *Use of everyday materials*

1. Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses
2. Find out how shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching

## **Art and Design**

At Avon Tyrrell, we aim to engage, inspire and challenge learners, encouraging them to experiment and create their own pieces of art, craft and design.

Key areas covered may include:

1. Using a range of materials creatively to design and make products
2. To use drawing, painting and sculpture to develop and share their ideas, experiences and imagination
3. To develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space

## **Design and Technology**

Design and Technology encourages the use of creativity and imagination in designing and making products to solve real and relevant problems. It enables students to learn to take risks in their design work, and become confident in their problem solving abilities.

Key areas covered include:

### Design

1. Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups

### Make

1. Select from and use a range of tools and equipment to perform practical tasks
2. Select from and use a wide range of materials and components

### Evaluate

1. Explore and evaluate a range of existing products
2. Evaluate their ideas and products against design criteria

### Technical Knowledge

1. Build structures, exploring how they can be made stronger, stiffer and more stable
2. Explore and use mechanisms (for example, levers, sliders, wheels and axels) in their products

## **Geography**

The Geography National Curriculum aims to ensure that all learners develop an understanding of places, people, resources and natural and human environments, together with a deep understanding of the Earth's key physical and human processes. The New Forest offers a wide range of geographical features for study.

### Human and physical geography

1. Identify seasonal and daily weather patterns in the United Kingdom
2. Use basic geographical vocabulary to refer to:

- a. Key physical features, including: beach, cliff, coast, forest, hill, mountain, sea, ocean, river, soil, valley, vegetation, season and weather
- b. Key human features, including: city, town, village, factory, farm, house, office, port, harbor and shop

### Geographical skills and fieldwork

1. Use world maps, atlases and globes to identify the United Kingdom and its countries
2. Use simple compass directions (North, South, East and West) and locational and directional language (for example, near and far; left and right) to describe the location of features and routes on a map
3. Use aerial photographs and plan perspectives to recognize landmarks and basic human and physical features; devise a simple map; and use and construct symbols on a key
4. Use simple fieldwork and observational skills to study the geography of their school and its grounds and the key human and physical features of its surrounding environment

### History

Avon Tyrrell is steeped in local History – the house is a Grade I Listed building and is situated on the edge of The New Forest National Park.

1. Changes within living memory. Where appropriate, these should be used to reveal aspects of change in national life
2. Events beyond living memory that are significant nationally or globally
3. The lives of significant individuals in the past who have contributed to national and international achievements
4. Significant historical events, people and places in their own locality

### Physical Education

With a wide range of outdoor activities available at Avon Tyrrell, there are many ways to link to the National Curriculum for Physical Education, to enable all young people to succeed and excel in a wide range of physically demanding activities. Our activities provide the perfect opportunity for learners to become physically confident in a way which supports their health and fitness.

1. Master basic movements including running, jumping, throwing and catching, as well as developing balance, agility and co-ordination, and begin to apply these in a range of activities
2. Participate in team games.