



## ACE Curriculum Vision – January 2020



### Computing

#### **Curriculum leader vision statement:**

**Computing at Astley will equip pupils to use computational thinking and creativity to become digitally literate and create programs and systems to further understand and change the world.**

#### **Computing is ACE at Astley because:**

We equip the children with the knowledge and confidence to be able to use, and express themselves and develop their ideas through, information and communication technology. Topics are carefully chosen to meet the objectives of the National Curriculum and are organized into the three main areas of Programming and Algorithms; E-safety and Digital Literacy; and Data and Computer Skills. These areas have links with mathematics, science, and design and technology through different units to enable children to understand the wider benefits of Computing and how it links to other areas of both school and the outside world.

#### **Computing is progressive at Astley because:**

The curriculum has been carefully mapped to reflect each area of Computing development, and ensure that each child is not only receiving coding skills, but also the necessary computer skills to further them in later education and the workplace, and to maintain their safety when using technology. As they progress through the curriculum they will be able to make links and reflect on prior learning as they build on previous knowledge and understanding.

Skills are introduced in Key Stage 1 with relevant software and are recapped and developed with age appropriate objectives and more complex software in Key Stage 2..