



DODFORD FIRST SCHOOL

Achieve, Believe, Create and Fly High

Subject: Computing

Intent

At Dodford First School we want to equip our children with the skills and creativity required in this ever changing world. We want them to be digitally literate on a range of systems so that they can be active participants in the digital world. We want our children to be equipped to overcome the challenges of the modern, digital world.

Curriculum Drivers

Achieve - *Have high aspirations, striving for success and never giving up. You can learn anything you want to!*

Believe - *Believe in yourself and value your own self-worth. To keep trying even when it is hard; learn from others and your mistakes.*

Create - *Action your thoughts and bring something into existence. Allow your creativity to flow; investigate, experiment, and invent.*

Fly High - *Have the courage to embrace new experiences and take risks. Share your knowledge with others. Enable yourself to flourish.*

Characteristics of a Techie

- Competence in coding for a variety of practical and inventive purposes, including the application of ideas within other subjects.
- The ability to connect with others safely and respectfully, understanding the need to act within the law and with moral and ethical integrity.
- An understanding of the connected nature of devices.
- The ability to communicate ideas well by using applications and devices throughout the curriculum.
- The ability to collect, organise and manipulate data effectively.

Implementation

At Dodford First School we teach our children in single year groups following the Purple Mash scheme of learning.

The Purple Mash Computing Scheme of Work is a comprehensive set of resources aligned to the National Curricula for Computing, Technology and Digital Competence. The Scheme of Work is intended to facilitate teachers in achieving the very best outcomes for children. It exposes children to a wide variety of digital tools, technological skills, and innovations. It contains everything that is needed to deliver inspiring and engaging lessons whilst allowing for the flexibility to meet individual school needs. Lessons are delivered from lesson plans with accompanying slide shows. Included in the scheme are additional units that go beyond the expectations of National Curricula, whilst also providing 'Catch-Up' units to close gaps in learning. The scheme for Early Years (Reception) shows opportunities for using Mini Mash or Purple Mash as part of the Early Years classroom to support children in working towards early learning goals.

Units that link to the maths curriculum:

- 1.2: Grouping and Sorting
- 1.3 Pictograms
- 2.4 Questioning
- 3.6 Branching Databases
- 3.8 Graphing •
 - All years: Spreadsheet units

Units that could be part of English lessons:

- 3.7: Simulations
- 4.4 Writing for Different Audiences
- 5.8 Word Processing

Units that could easily be topic linked; resources will need to be adapted to have a topic theme: Any of the data handling units suggested in the maths section. • 1.6 Animated stories • 2.6 Creating Pictures • 2.8 Presenting Ideas • 3.9 Presenting • 4.6 Animation

Impact

Assessment

Through the explicit teaching of the skills, both the teachers and the pupils assess their learning continuously throughout the lesson. Our assessment systems enable teachers to make informed judgements about the depth of their learning and the progress they have made over time.

Pupil Voice

What xxx looks like at Dodford First School

Photographs