



THE PARKGATE ACADEMY
LABOR OMNIA VINCIT

Computing

2020-21

Vision Statement

Computing is an integral part of everyday life and will play an immeasurable part in our children's futures. The Parkgate Academy will provide our children with the skills, creativity and enthusiasm to live and thrive in a world increasingly dependent on computing. Each child will be able to use the Internet in a safe and respectful way. They will understand the necessary precautions to take, to stay safe and know where to seek help. No child will feel threatened or unsafe whilst using the Internet at school or at home. Children will also utilise the Internet efficiently to enhance their learning of all subjects. Children will be able to write and debug code successfully and with confidence, using a variety of languages. Extra-curricular groups will foster passion and creativity for computing. All staff will be confident users and teachers of all relevant software and hardware available.

Written by	Tom Thorpe
Ratified by Governor	
Date for Review	
Signed-Chair of Governors	
Signed Principal	

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Policy

Aims:

- Provide a relevant, challenging and enjoyable Computing curriculum for all pupils.
- Meet the requirements of the National Curriculum programmes of study for Computing.
- Monitoring and evaluating pupils' work, pupils' views about the subject, displays and teachers' planning
- To develop an understanding of how to use Computing safely and responsibly.
- Auditing resources and ordering resources when needed
- Keeping up to date with subject developments and disseminating information to the rest of the teaching staff
- Leading staff meetings as appropriate
- Attending relevant in-service training and prompting others about relevant training

The role of the coordinator

- Acting as a consultant to colleagues on resources, visits, visitors, curriculum changes, classroom teaching and learning ideas
- Monitoring and evaluating pupils' work, pupils' views about the subject, displays and teachers' planning
- Auditing resources and ordering resources when needed
- Keeping up to date with subject developments and disseminating information to the rest of the teaching staff
- Leading staff meetings as appropriate
- Attending relevant in-service training and prompting others about relevant training

How the subject is taught across the Key Stages

- In Foundation Stage, lessons are linked through continuous provision to key texts which allow for a full range of the Early Years Framework to be developed.
- In KS1 and KS2, children follow the Purple Mash Computing Scheme of Work ensuring that all National Curriculum objectives are covered.

Assessment

- Children's progress should be monitored using the Purple Mash Assessment tool. Teachers to refer to Guide to using Purple Mash Assessment Tool document.

Marking and Feedback

- Feedback to pupils should be provided on their attainment against the objectives of Computing in the National Curriculum

Health and Safety

- This policy needs to be read alongside our *Health and Safety Policy*. Consideration needs to be given to appropriate risk assessments.

Monitoring and Evaluation

- Computing will be monitored throughout the school by the Curriculum Coordinator who will be responsible for gathering samples of curriculum work.
- The Curriculum Coordinator will also monitor schemes of work to ensure that the Programmes of Study are being effectively taught and match the needs and abilities of the pupils.
- Lessons ideally will also be monitored to help promote quality of learning and standards of achievement in computing.

Inclusion (Equal opportunities, differentiation, Gifted and Talented)

At our school we teach computing to all children. Computing forms part of the school curriculum policy to provide a broad and balanced education to all children. Through our teaching of computing, we provide learning opportunities that enable all pupils to make progress. We use a range of strategies to support pupils. A few of these, particularly relevant are:

<u>Equal Opportunities</u>	<u>Differentiation</u>	<u>Gifted and Talented</u>
-We plan lessons to challenge and involve all pupils appropriately, according to age and capability, ethnic diversity, gender and language background -We 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	-The use of appropriate resources at varying levels of difficulty during lessons -Different levels of support including working in mixed ability pairs, TA support and small group work -Careful use of support for pupils with English as an additional language	-Teachers to provide teaching and learning experiences that encourage pupils to think creatively, explore and develop ideas, and try different approaches. Pupils should be encouraged to set their own questions, offer ideas, suggest solutions or explanations. -Greater independence in working, e.g. a pupil to be able to carry out their own simple enquiry.

Resources

- Parkgate has recently received 32 notebook computers. These are to be kept in the PPA room. The Computing Coordinator and Principal to have access to the keys to the cabinet. The Computing Coordinator is responsible for renewing software licences on an annual basis. Replacing hardware should be monitored by the Computing Coordinator and replaced by liaising with the Principal and Office Manager.

Timetable

- A timetable for booking the computers is to be found on Teams. Teachers to use this timetable to book out notebooks, using their medium term plans for checking for computing curriculum coverage and cross-curricular opportunities.

