What makes our computing curriculum exceptional?

1. It is underpinned by aims, values & purpose. e.g. **Article 29 UN Convention of Rights of the Child:** Education must develop every child's personality, talents and abilities to the full. It must encourage the child's respect for human rights, as well as respect for their parents, their own and other cultures, and the environment. RP School guiding principles: • To provide an education which develops the whole child. • To provide a broad and balanced curriculum with a strong focus on enrichment opportunities. • To teach children to understand their own rights and to respect the rights of others	2. It develops the whole person – knowledge, skills, understanding & attitudes. Knowledge: New learning in every lesson. Skills: keyboard, use of technology. Understanding: Algorithmic thinking. Attitudes: privacy, online safety, rights of use of media.	3. It is broad and balanced. Four stands covered in every year group: **Computing systems and networks:** technology around us; servers, routers and networks; the internet. **Creating media:** Digital painting, animation, photo editing, audio and visual production, web page creation. **Programming:** Robot algorithms (Beebots), logo, block coding, Scratch **Data and information:** Pictograms, databases, spreadsheets.
4. There is clear progression in subject knowledge and skills. Curriculum develops skills progression from R-Y6 in all areas.	5. It is filled with rich first-hand experiences. Hands on activities in all lessons, producing useful, relevant and appropriate outcomes. Using laptops, cameras, digital art, digital music, physical computing - Crumble	6. It is flexible and responsive to individual needs and interests. Curriculum written to be relevant to needs of cohorts, reflecting what they are studying in other subjects. Rewritten annually to reflect the abilities/topics of the class.
7. It has an eye on the future and the needs of future citizens. Appropriate and safe use of technology is the future. Keyboard skills. Learning for life.	8. It encourages the use of environments and expertise beyond the classroom. Bletchley Park National Museum of Computing biannual visit Y5/Y6 Online safety/bullying workshops. KS2	9. It makes meaningful links between areas of knowledge across the curriculum. Curriculum written to work alongside other subjects, eg history topics. D&T –Crumble Music-Creating and editing digital music Art & D&T-curriculum rewritten to fit in with new curriculum 2021/2 Class assemblies and displays. Maths-spreadsheets and binary Science-data logging and digital microscope
10. It has a local, national and global dimension. Commitment to annual eSafety day Feb, which is a global day. CEOP: National crime command SWGfl 360°Online safety review tool in process	11. It is supported by high quality Subject Leader CPD. Subject Leader attends regular cpd on coding/curriculum/assessment/ online safety.	12. SMSC is embedded within the curriculum. (See SMSC Subject Statement)