# Computing Intent

**By the time children leave our school, they will:**

**Know**

1) That they can use programs to accomplish specific goals.
2) That they can solve problems by decomposing them into smaller parts.
3) To use sequence, selection and repetition in programs.
4) To use logical reasoning to explain how some simple algorithms work.
5) About different computer networks, including the internet.
6) That a variety of search technologies exist
7) to select, use and combine a variety of software.
8) To use technology safely, respectfully and responsibly.
9) That there are different career opportunities within computing.

**Understand**

1) How to design, write and debug programs that accomplish a specific goal.
2) How to solve problems by decomposing them into smaller parts.
3) How to use sequence, selection and repetition in programs.
4) To use logical reasoning to explain how some simple algorithms work.
5) About different computer networks, including the internet.
6) How to use search technologies effectively.
7) How to select, use and combine a variety of software for an end goal.
8) How to use technology safely, respectfully and responsibly.
9) Specific career opportunities within computing.

**Do**

1) Children will design, write and debug programs that accomplish a specific goal.
2) Children will solve problems by decomposing them into smaller parts.
3) Children will use sequence, selection and repetition in programs.
4) Children will use logical reasoning to explain how some simple algorithms work.
5) Children will use a variety of computer networks, including the internet.
6) Children will use search technologies appropriately and effectively.
7) Children will select, use and combine a variety of software to produce one outcome.
8) Children will use their knowledge of e-safety to stay safe online.
9) Children will explore and research different career options using computing.