What makes a good Mathematician?

Intent:

* To ensure the children have a sound understanding of all mathematical concepts, we use the CPAR approach (Concrete, Pictorial, Abstract and Reasoning). Children need to make links between practical equipment, pictures and abstract numbers because they learn in different ways. The CPAR approach helps children learn new ideas and build on their existing knowledge by introducing abstract concepts in a more familiar and tangible way.

* We build on this with rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems.

* This ensures that across the Children First Learning Partnership we provide a high quality maths curriculum that is both challenging and enjoyable, whilst expanding inquisitive and resilient minds.

To develop fluency in performing written and mental calculations and mathematical techniques.

To be able to develop a broad range of skills in using and applying mathematics.

To develop the ability to show initiative in solving problems in a wide range of contexts, including the new or the unusual.

To be able to think independently and persevere when faced with challenges and to be able to learn from

To develop the ability to reason, generalise and make sense of solutions through explanations.

To develop an understanding of mathematical vocabulary, the important concepts and an ability to make connections within mathematics.

To make links between practical equipment, pictures, abstract representations and reasoning.