What Mathematics looks like in our school What a Maths lesson looks like in our school: Mixed ability groupings / seating which allows children to work with different people over the course of time. Lots of talk—reasoning Problem solving throughout Mini plenaries to share misconceptions, pose questions, challenge ideas Free access to manipulatives/concrete resources This is how it works: Children select own entry point to challenge themselves but know they can try one point of entry and re-select if necessary. Each challenge is linked to the others - not just different In KS1 maths investigation stations set up for children to further challenge themselves Focus on mathematical language Many opportunities to talk mathematically Prove It! Children given time they need –may return to a task in following lesson – not 'compartmentalised' sessions but 'fluid' LSA's sometimes used to pre-teach a concept ahead of the lesson This is our philosophy: Mastery of maths means a deep, long-term, secure and adaptable understanding of the subject. Among the by-products of developing mastery, and to a degree part of the process, are a number of elements: fluency (rapid and accurate recall and application of facts and concepts) a growing confidence to reason mathematically the ability to apply maths to solve problems, to conjecture and to test hypotheses. Concrete Pictorial Abstract approach Problem solving at the heart of everything Cross-curricular links wherever possible This is what we do: Positive use of mistakes/misconceptions-learning environment Regular book scrutiny, learning walks, planning audits, pupil voice Whole school PD Use of Maths Hubs to moderate books and discuss how to move forward

