Mathematics Programming Checklist

Non-negotiables:

- Maths Talks at start of each lesson
- Reflection at closure of each lesson
- Working Mathematically embedded throughout every lesson
- Connections across Mathematics curriculum (across and within strands)
- Range of resources to be used throughout units (digital and concrete)
- Problem solving and mathematical investigation must feature within each unit

Pedagogical Considerations:

- Assessment for learning should consist of open-ended tasks that provide ALL students with an opportunity to communicate existing knowledge and skills.
- Rich tasks can span beyond one single lesson.
- What tasks are available and how do they enhance students' knowledge and skills?
- Are your tasks engaging?
- Consider grouping according to the demands and purpose of each lesson – flexible grouping should be used in Mathematics.
- What are the typical misconceptions related to the topic? How will they be identified and addressed?

Assessment:

- Annotated student work samples
- Student reflection (verbal/written)
- Anecdotal evidence (observations/teacher-student conversations)
- Homework tasks
- **What will you do with your data?**

Considerations for supervisors:

- How will you know that your team are programming effectively?
- How will you share practice across the team?
- How will you support teachers with challenging student needs?
- What opportunities will you provide to strengthen teachers' pedagogical content knowledge?