Manaiakalani Class OnAir 2021
Lesson Plan Number 11
Distance Learning: Shapes and Repeated Addition
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Lesson Topic : Distance Learning: Shapes and Repeated Addition	
Year Group : 3/4	
Learning Outcome	• We are learning to recognise 2D and 3D shapes. • We are learning to solve problems using repeated addition and times tables.
Links with the New Zealand Curriculum 	Mathematics Level 2 Number knowledge • Know the basic addition and subtraction facts. Shape • Sort objects by their spatial features, with justification. • Identify and describe the plane shapes found in objects. Equations and expressions • Communicate and interpret simple additive strategies, using words, diagrams (pictures), and symbols.
Key Competencies 	• **Thinking** - Children will be thinking about numbers and shapes discussing ways of showing equations and elements of shapes mathematically. • **Using language, symbols and texts-** Children will develop their knowledge of mathematical language. • **Participating and contributing**- Children will work together to come up with ideas and listen to others on the Google Meet. • **Relating to others-** Children will share thoughtfully in the chat. • **Managing self-**Children have to manage their own time working to achieve a finished activity while learning at home.
Prior knowledge 	Children have been working in their own classes at school learning about shapes and their features. They have also been doing some repeated addition. This lesson aims to bring that knowledge together.
Lesson Sequence 	**Session Outline** This season aims to get children thinking about how shapes can help them solve repeated addition and times table problems.

Learner Activity	**Teacher Activity**

Learn Actively engage in the Google Meet through commenting orally and in the chat. Think about what they already know about shapes. Discuss the maths to build knowledge.	Before lesson: -Create activity and Jamboard considering the range of learners and home learning environment. ● Launch lesson- What do we know about shapes? ● Get children identifying shapes. ● Talk about 2 dimensions and 3 dimensions. What does it mean? ● Collect student voices and ideas in Jamboard. ● Share Kahoot to get children thinking and see what they still need to work on.
Create Learners engage in creating in the Jamboard. Learners develop their knowledge and create using this in their activities.	Teacher is available for support via email or commenting on Google slides.
Share Learners share their learning on their blog.	Teacher comments on learner blogs.

Reflection and Analysis

Lesson Content - The children seemed to enjoy the topic. They are very engaged in maths online and really love sharing what they know. I found that some learners are quicker and it is harder to get them to hold back and give others thinking time. Using the chat helped with this.

Lesson Pacing and Lesson Delivery - Having a variety of games, discussion, reading to and creating with the Jamboard meant that even though the lesson was about 30 mins in length the learners remained involved. Learner requested the kahoot and wanted more time together.

Student Understanding- The children's understanding varied, however most showed some good understanding of 2D shapes, 3D shape knowledge is still growing. I was impressed with the repeated addition knowledge and hope this will over time translate to times table knowledge.