



RISING ACADEMY  
NETWORK

### Radio ECE Numeracy by Rising

Rising has responded to the closure of schools caused by the COVID19 pandemic by adapting our foundational numeracy content to create a radio program that will strengthen and build students' foundational skills even when they are out of school. Students learning at home require no learning materials but there is the option to provide printable worksheets and additional support via SMS.

This program is appropriate for children ages 3-5 and the approach builds off decades of research into the science of how children learn mathematical concepts. Early Childhood is a critical period for brain development and it is essential that children receive appropriate cognitive stimulation, social-emotional learning and motor skill development. Another important component is family-child interactions through play and our program incorporates family member engagement during the motor skill activities.

Our ECE numeracy program builds the following skills: counting fluency, number recognition and manipulation up to 20, foundational addition and subtraction up to 10, comparison, one-to-one correspondence, and shape geometry. Each lesson starts with an introductory health and safety message and integrates play, song and movement through social-emotional activities and fine and gross motor skill practice. This is a crucial stage for students to continue learning the foundational skills that they need to master to be successful later in their education.

#### Phase 1: 20 weeks

##### ECE Example Lesson Structure

Part	Title	Description	Focus Skills
Part 1	Counting Warm up	Students practice counting 0-100 by 1s, 5s and 10s in a variety of ways	counting fluency
Part 2	Mindfulness	Students engage in a calming and attention building activity such as breathing, balancing, stretching and focusing on a sound or color	social-emotional learning
Part 3	Number of the week	Students build foundational	number recognition and

		mathematical skills with a new number each week such as one-to-one correspondence, addition, subtraction, writing and manipulation	manipulation, foundational addition, subtraction, comparison, one-to-one correspondence
Part 4	Pretend Play	Students participate in activities that build fine motor skills (such as tracing, drawing shapes and small hand movement) and gross motor skills (such as jumping, hopping and dancing)	motor skill development
Part 5	Shape Workout	Students learn about a new shape each week	shape geometry