

# SUMMER CAMP 2021

## Little Explorers STEM AND CODING ROVE, DOWNTOWN



# Little Explorers STEM AND CODING SCHEDULE

Week	STEM Theme	Robotics & Coding
<b>Week 1</b> 4 <sup>th</sup> July to 8 <sup>th</sup> July	<b>Sound and vibration</b> Explore more about sound like - how does sound travel, create devices that can amplify sound, and create musical instruments like pan flute, castanets, kazoo, and drums.	<b>Robotics and coding with mTiny</b> Introduce children to the world of computer programming with this fun robot. This robot integrates programming into real life without the need for screen. Create interactive, stimulating and fun games for learning mathematics, English, music and other subjects.
<b>Week 2</b> 11 <sup>th</sup> July to 15 <sup>th</sup> July	<b>STEM Fairy Tales</b> Solve the problem of the central character in the story. Create an engineering solution for their problems – build a house for three little piggies, design a bed fit for Goldilocks, design a parachute for Jack to land safely, build a bridge strong enough for the Gingerbread Man to cross, and build a raft for the Three Billy Goats to escape the troll	<b>Robotics and coding with Kubo</b> Develop coding and computational thinking skills with this little robot. Learn functions, subroutines, and loops in simple, logical steps. With no screen required, this is the best robot to learn coding, even for the ones who do not have any prior coding experience.
<b>Week 7</b> 15 <sup>th</sup> August to 19 <sup>th</sup> August	<b>Water, water, everywhere</b> Learn more about water like what is water cycle. Find out what kind of objects float or sink. Can water walk? Find out with the fun experiment, walking water. Make flowers with different kinds of paper and find out which kind bloom faster. Have fun creating music with musical water glasses.	<b>Robotics and coding with Kubo</b> Develop coding and computational thinking skills with this little robot. Learn functions, subroutines, and loops in simple, logical steps. With no screen required, this is the best robot to learn coding, even for the ones who do not have any prior coding experience.
<b>Week 8</b> 22 <sup>nd</sup> August to 26 <sup>th</sup> August	<b>Homes and Houses</b> We all need houses to live. Even the animals need homes too. Build various kinds of houses in this week – build a strong tower with spaghetti; build a bird nest with natural materials; create hibernation stations for arctic animals; build the tallest tower; create a structure that can be balanced on the finger or nose!	<b>Robotics and coding with mTiny</b> Introduce children to the world of computer programming with this fun robot. This robot integrates programming into real life without the need for screen. Create interactive, stimulating and fun games for learning mathematics, English, music and other subjects.