

DIY Drums & Shakers

<p>STEM FOCUS</p>	<p><i>[S]</i> Science <i>[E]</i> Engineering Science: The anatomy of a drum Engineering: Use different materials and different shapes to create instruments that produce different sounds</p>	
<p>GOAL</p>	<p>Learners will learn about the anatomy of a drum and create musical instruments out of household items that create different sounds. Instructors & Learners will explore how and why some materials make more or less sound.</p>	
<p>STEPS</p>	<p>Instructor/Parents will...</p> <ol style="list-style-type: none"> 1. Gather materials to the left and divide them by category 2. Play Carla & Liv KIDS Video 3. [Optional] Watch video How Do Drums Make Sound? 4. Start building! Gather your cylinder-type shaped recycled goods and remove any tops or lids to form your Drum Shell 5. Cover Drum Shell with either tape or [optional] a cut balloon to make Drum Skin 6. If you make a TAPE Drum Skin make sure the tape is pulled tightly over your Drum Shell open top until it is completely covered. You might want to make two layers of tape 7. [Optional] If you make a BALLOON Drum Skin use a smaller Drum shell. Cut the balloon and completely cover the Drum Shell with balloon and use a rubber band or hair tie to secure tightly 8. Grab a pencil, or stick to test your drum sounds! Different shapes and sizes will produce different sounds! 9. For Rumba Shaker repeat steps 4-6 EXCEPT place rattle materials (Skittles/Beans/Rice) in Drum Shell before taping or sealing the Drum Skin. 	<p>Materials</p> <ul style="list-style-type: none"> ☉ Masking Tape/Painter Tape/Duct Tape ☉ Scissors ☉ [Optional] Paper Bags & Markers/Paints to decorate! ☉ Pencil or Sticks <p>Drum Shell & Rumba Shaker</p> <ul style="list-style-type: none"> ☉ Recycled food containers (Tin) -Coffee canister, empty peanut cans ☉ Small Plastic Bins or Containers ☉ [Optional] Balloon ☉ [Optional] Rubber bands/Hair Ties <p>Rumba Shaker</p> <ul style="list-style-type: none"> ☉ Card Board Rolls -Toilet Paper, Paper Towel ☉ Recycled bottles (Plastic) ☉ Skittles/M&Ms ☉ Coffee Beans , Black Beans, Small Pebbles ☉ Rice or Pasta

SOURCE <https://childrensmuseumatlanta.org/blog/music-mondays-diy-drums/>