



A Collaborative Program of
Arbor Day Foundation and
Dimensions Educational Research Foundation

Tube Drums #7000

Assembly Instructions

Please open and inspect all items upon receipt. If you have any questions or concerns, please contact us immediately.

1-888-908-8733 | service@natureexplore.org | natureexplore.org



Quality Commitment

Thank you for your shared commitment to connecting children with nature and your support of children's life-long learning. Nature Explore is dedicated to providing quality, research-based educational materials for your outdoor spaces, as well as outdoor classroom design services and educator workshops.

Our natural products are field-tested by trained educators who observe children using them in play—focusing on safety, educational value and versatility—prior to being offered in the Resource Guide. Our natural products, such as wooden instruments, tables or balance beams, are hand-crafted by trusted professionals who support our shared mission. All natural products are constructed of materials carefully selected for functionality, safety and durability.

We encourage you to contact us with questions or for more information on our natural products and services. If inquiring about a past or existing order, please have your order number handy (Ex: SO90001234) so we may answer your questions and provide additional information as needed. **All of our warranty, return and exchange policies can be found online or sent by request. Please contact us at service@natureexplore.org or 1-888-908-8733.**

All items created by and manufactured exclusively for Nature Explore are done so in accordance with all relevant and applicable safety standards and recommendations as set forth by the U.S. Consumer Product Safety Commission and ASTM International. Be sure to consider additional regulations that may be unique to your site.

How to Assemble Tube Drums

Recommended Crew: 2+ adults
Average Assembly Time: 1-2 hours



Installation of the Tube Drum should be completed by a licensed contractor or someone with equivalent skills.



Do not allow children to play on or near equipment that is in need of repair/replacement, is incomplete or considered unsafe as serious injury may occur.

Before you begin:

- Please read and follow all safety information.
- Please review assembly and installation diagrams.
- Verify component and hardware quantities received.
- Familiarize yourself with installation procedures.
- Consult local building codes and regulations.

Inspection & Maintenance:

Inspect this item before each use.

- Ensure item is stable on the ground (level surface)
- Check to see that legs are secure and bolts/screws are snug, but not over tightened

General Maintenance should be performed monthly-quarterly as needed to help reduce potential injuries and extend the life of your natural product.

- Tighten all screws/bolts to ensure they are snug, but not overtightened

Tools Needed:

1. Drill
2. Socket Wrench
3. Posthole Digger
4. Spade
5. Tape Measure
6. Level
7. Concrete*
8. Tamping Post

**We found that using a fast-setting concrete mix worked well. It is poured into the footing when it is dry and then water is added without the need to pre-mix the concrete.*

Parts List:

- 2 - Recycled Plastic Legs
- 2 - Recycled Plastic Horizontal Frame Pieces
- 3 - Drum Bodies (with lower caps attached)
- 3 - Drum Caps

Hardware:

- 12 - Screws
- 6 - Hex Head Bolts
- 6 - Washers
- 6 - 1/4" Lock Nuts
- 1 - Star Bit
- 1 - Tube of Ecoglu Adhesive

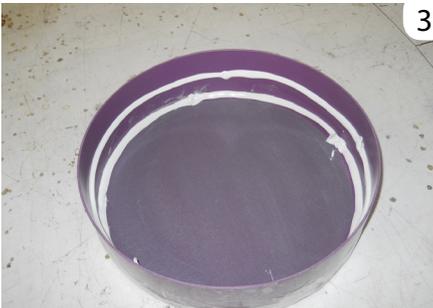
- 1 Using the drill with star bit, assemble the frame by attaching the upper and lower horizontal frame pieces to the legs with the 12 screws enclosed.



- 2 Attach each drum body to the frame using the hex bolts, washers and lock nuts. Use the socket wrench to tighten.



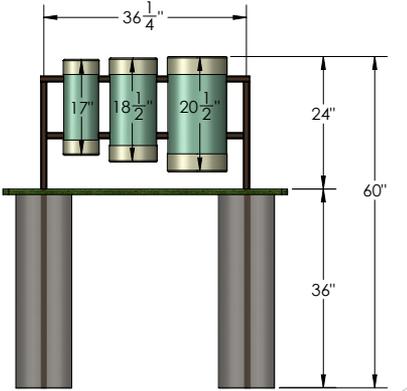
- 3 Put a bead of Ecoglu (provided) around the side of the Drum Cap (in the middle) and a bead on the bottom where the corner is. Push the Drum Cap firmly on the Drum Bodies. Set assembled instrument aside to prepare the footings.



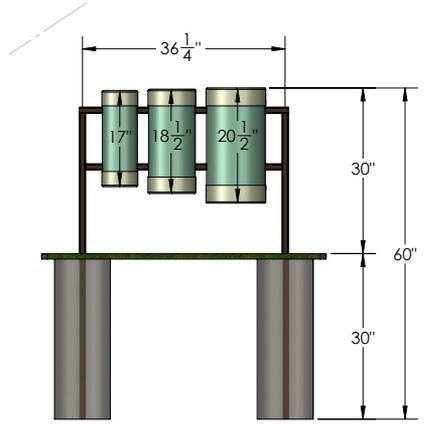
Note: Tube Drums are now ready for permanent installation by a licensed and bonded contractor.

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- 4 Mark where each leg hole will be dug. The distance between the legs is $36\frac{1}{4}$ " on center.



Short



Tall

- 5 Using a posthole digger, dig footing holes approximately 8" in diameter. Your hole should measure 30-36" deep depending on the desired height.



- 6 Using the tamping post, compact the soil at the bottom of the footing holes.
- 7 Place the assembled instrument legs into the holes. Place the level on top on the drum caps to make sure the instrument is level.
- 8 Fill the holes using the fast-setting concrete mix and then add water. Make sure concrete dries completely before use.
- 9 Your Tube Drums are now ready to be played!

Nature Explore Natural Products are designed to bring children closer to nature and help them develop life-long learning skills. To ensure safety and effectiveness, please be sure to follow the instructions for assembly, installation, warnings, and maintenance. Failure to follow all of the instructions will void any warranty offer. Keep in mind, even properly installed Nature Explore Natural Products can present hazards to children without adequate supervision. Also be sure to check with any applicable building codes which may pertain to your outdoor space and/or use of these products.

Depending on the location and context of the outdoor classroom, the supervisors may be paid professionals (full-time park or school/child care facility staff), paid seasonal workers (college or high school students), volunteers (PTA members), or the parents of the children playing in the outdoor classroom. Ultimately the overall safety of the space depends on the quality of the supervisor's knowledge of safe play behavior. Therefore, supervisors should understand the basics of safety in an outdoor classroom.

Outdoor classroom supervisors should be aware that not all equipment and natural products are appropriate for all children who may use the outdoor classroom. Posted signs or labels indicating the appropriate age of the users should be checked before play begins, and supervisors should direct children to equipment and natural products appropriate for their age. It is also very important to recognize that younger children require more attentive supervision than older children do.

Building Codes:

Variations in building codes, specific local development covenants, or site conditions may require modification to the installation of the natural product. Outdoor classroom owners are ultimately responsible for complying with all applicable permits, building codes and other regulatory requirements, and should review their outdoor classroom with local building inspectors. All appropriate building permits should be obtained prior to starting installation.

Liability:

Nature Explore shall have no liability or responsibility for actions or inaction in connection with any Nature Explore Natural Product or any damage or liability that arises during the construction and/or use. Always read and observe all safety precautions provided by the Consumer Product Safety Council regarding toy safety, playground safety, and any other applicable programs. Likewise, always read and observe all safety precautions provided by any tool or equipment manufacturer consulted during installation.