SUNDAY, JUNE 26, 2016
11:00 AM
WESTMORELAND PARK
CASTING POND

REGISTER ONLINE BY JUNE 22nd
www.rosefestival.org/event/milk-carton-boat-race
The Royal Rosarians Milk Carton Boat Race offers a memorable day for participants and spectators alike. Children and adults race and show off their handmade boats that float only by means of recycled milk cartons and jugs. Creatively crafted watercraft will compete in seven classes for the coveted Best in Show milk can trophy. Join us for a Sunday filled with family friendly entertainment and some spirited competition.

Artistry or Velocity
It’s a chance to test the laws of buoyancy atop a pile of milk cartons, but also an opportunity to launch a piece of personality on the pond. Build a boat that’s creative or imaginative or one that’s sleek and slim for racing.

Best in Show (Now includes costumes.)
All classes of racing boats compete for the Best in Show award. This award is given to a boat that is both fast and creatively designed. Best in Show will also take into account costumes worn by racers.

Showboat Class
The Showboat class is for fun, creatively designed boats that will parade instead of race. There is no limit to size or length, but keep in mind all boats must be moved to and from the pond by means of manpower. All Showboats will compete for the title of Grand Showboat.

MILK CARTON BOAT CATEGORIES

Racing Classes
The racing class is for boats designed for speed and consists of narrower and lighter frames.

▼ Children: Ages 7-12
▼ Adults: Ages 13 and up
▼ Family/Multi-rider: Ages 7+
▼ Corporate

Businesses, non-profits and loosely affiliated groups

Mechanical Advantage Class
For racers who demand more power than an oar can provide. Must be human powered.

▼ Children: Ages 7-12
▼ Adults: Ages 13 and up

Showboat Class (does not race)
The showboat class is for entries where design (not speed) is the primary goal. Showboats are judged on the creative use of milk cartons, originality and workmanship. The use of ingenious materials, creative design and methods of movement is encouraged.

▼ Everyone: Ages 7+

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THE ROYAL ROSARIANS MILK CARTON BOAT RACE
1 Choose Your Category
Boat builders have a choice between speed or style. Speed boats participate in the race categories and style boats participate in the Showboat category. The category you choose will influence what your boat will look like.

2 Create Your Design
Study the rules and regulations after you have chosen your category. Remember, your boat must float entirely from milk cartons/jugs. Speed boats are usually lightweight, long and narrow, like a kayak, while showboats can be any shape.

Begin by sketching a design of your boat, noting the dimensions. Make a list of the items needed to complete the vessel as well as their weight. Frame, décor, and person(s) operating the boat should all be accounted for.

Calculate the number of milk jugs/cartons you will need. The weight of your vessel and crew must be fully supported by the buoyancy of the milk jugs/cartons.

Keep in mind larger boats will need more milk jugs/cartons to float. Kayak paddles and oars are two ways to power your boat.

3 Gather Your Supplies
Frames can be built of wood, plastic or aluminum. Above the water line you may decorate however you choose. Be creative! You may use glue, nails, tape or other construction materials. Be sure, however, that they are securely fastened.

Milk cartons/jugs are the most important materials for your boat. It’s easy to collect enough jugs if you save throughout the year. If you haven’t started a collection, ask your friends, family and neighbors to help you. You can find milk cartons/jugs at coffee stands, restaurants, hospitals, cafeterias etc. Simply ask for their empty containers.

4 Construct Your Boat
Here is an example of how to build a milk carton boat. You may choose to build your boat differently, and that’s okay. These general instructions will get you started.

Frames should be joined together with wood screws. Use wooden 2x4s for the main structure.

Follow these instructions to make a basic frame.

<table>
<thead>
<tr>
<th>SUPPLIES NEEDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>3–2&quot;x4&quot;x8' boards</td>
</tr>
<tr>
<td>Wood screws</td>
</tr>
<tr>
<td>Screw driver (power is recommended)</td>
</tr>
</tbody>
</table>

Cut 1 board into 4 equal lengths.

Place two 8’ boards parallel to each other, approximately 20” apart. Using the 4 pieces, attach one board at either end with wood screws, keeping them 20” apart. Attach one board mid-length as the seat and the final board 14-18” in front of seat board.

Finished frame will loosely resemble a rectangular ladder. Tightly secure each milk jug/carton to the frame by wrapping duct tape completely around both or securing with chicken wire.

Keep milk cartons shut by hot gluing and stapling the mouths shut. Use hot glue to keep lids on milk jugs. Then hot glue the cartons/jugs together in bundles or wrap the cartons in duct tape. Use duct tape or hot glue to connect the cartons to the frame. Prevent cartons from breaking loose by using chicken wire or mesh on the bottom of the boat. DO NOT enclose the cartons completely within the frame, as they must be visible. If not, it will result in a disqualification.

You can make your boat as a single unit or pieces that can be put together at the park. Bring all of your supplies and allow adequate time for construction on race day.

5 Do a Trial Run
Don’t forget to test your boat with a trial run. Look for flooding in milk cartons, breaks, cracks, stability in water, and how the boat handles in the water. Plan a trial run with enough time to fix anything before race day.

6 Helpful Hints for Race Day

**PRE-REGISTER**
Register by June 22nd to guarantee your spot at the Milk Carton Boat Race. Arrive at least one hour before your scheduled race time.

**REGISTER ON-SITE**
Limited registration will be available on-site. Plan to arrive 2 hours before your scheduled race time. You will need to register at the Registration tent.

All boats must check in on race day at the Check-in tent. An inspector will examine your boat to see that it meets the rules and regulations. You will receive a participant number for your boat. Check-in will close approximately 30 minutes prior to race time.

Pay attention to the day’s Schedule of Events and listen to the public announcements to find out when it is your turn to race or introduce your boat.

Note: Race schedule is approximate and could actually run faster or slower than expected. Listen for public address announcements regarding race times.

THE ROYAL ROSARIANS MILK CARTON BOAT RACE
RULES AND SAFETY REQUIREMENTS

1. Each racer must have their own US Coast Guard approved life preserver. Sharing of vests among separate heats will not be allowed.

2. Individual boats can only race once per racing class. If a family has multiple entrants in a class they must have a separate boat for each racer.

3. Boats must be made by the participant with flotation dependent upon milk cartons/jugs. Waxing, shellacking, sealing or otherwise covering hulls with materials such as plastic, lamination or metal is not allowed.

4. Racing boats should be no longer than 8 feet in length. Showboats may be any size.

5. No engines or motors of any kind allowed. Propulsion power or any other kind of stored energy is also prohibited. All race boats can only be powered by means of oars or paddles. Human power only. Any race vessel powered using a mechanical advantage such as a propeller or gears can only be raced in the Mechanical Advantage Sub-Class (Parade of Showboats also permissible)

6. Any propeller or mechanical devices must be covered by a protective enclosure.

7. Boats must keep the same design for all events. Additions or changes to boats during races will result in disqualification.

8. Nothing is to be thrown or intentionally released from boats while in water. Violation results in immediate disqualification.

9. Each boat will be inspected prior to race to make sure it meets the rules and safety guidelines outlined here. Any boat not built according to the rules may be disqualified.

10. Race contestants will begin the race in their boats at the starting line. Any boat crossing the starting line early may be disqualified. Boats must remain in their own lane. Judges may disqualify boats impeding the progress of others.

11. Decisions of the race officials are final.

12. The Milk Carton Boat Race reserves the right to cancel any race due to lack of participants. Participants whose race gets cancelled will be placed in next best race division.

13. Boats are only allowed in the casting pond during designated times. Any violation will result in disqualification.

14. Participants are responsible for the transport of their vessel to and from Westmoreland Park on race day.

15. Participants must be present to win awards.

16. Milk jugs/cartons must be visible on the exterior of the boat.

2016 SCHEDULE OF EVENTS (Approximate)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
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<tbody>
<tr>
<td>11:00 AM</td>
<td>Introduction of Showboats</td>
</tr>
<tr>
<td>11:20 AM</td>
<td>Adult Race Preliminary Heats</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Children Race Preliminary Heats</td>
</tr>
<tr>
<td>12:00 PM</td>
<td>Family/Multi-rider Preliminary Heats</td>
</tr>
<tr>
<td>12:15 PM</td>
<td>Adult Mechanical Advantage Race/Final</td>
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<tr>
<td>12:20 PM</td>
<td>Children Mechanical Advantage Race/Final</td>
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<tr>
<td>12:25 PM</td>
<td>Corporate Race/Final</td>
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<tr>
<td>12:30 PM</td>
<td>Adult Final</td>
</tr>
<tr>
<td>12:40 PM</td>
<td>Children's Final</td>
</tr>
<tr>
<td>12:50 PM</td>
<td>Multi-rider Final</td>
</tr>
<tr>
<td>1:00 PM</td>
<td>Awards Ceremony</td>
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</tbody>
</table>

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ALL TIMES SUBJECT TO CHANGE

Register by June 22nd to guarantee your race or parade slot at the Milk Carton Boat Race

Help maintain the natural beauty of Oregon. Dispose of waste in appropriate containers, recycle, and use alternative modes of transportation.

NEED MORE INFORMATION?
milkcartonboatrace@gmail.com
503-649-2739
www.rosefestival.org/event/milk-carton-boat-race