



## **KLONDIKE DERBY MVC 2021 - Hosted by MVC**

**Who:** All BSA Troops / Crews

**What:** Klondike Derby

**Where:** MVSR

**When:** Jan 22-24 (check in Friday 6-8pm) Cost: \$20 per Youth, \$10 per Adult

**What to bring:** Catapults, sleds, cold weather gear, 2 auction items per patrol, and ENTHUSIASM

**Event Contact:** Zechariah Bauer – 740.408.4784 – [zechariahbauer@me.com](mailto:zechariahbauer@me.com)

Last year's Champs have been waiting for the opportunity to repeat, does your patrol have what it takes to bare the weather and take the trophy from Troop 207?

CATAPULTS are coming back this year!!!! So dust off your sled and get your catapult ready to launch tennis balls across the parade field

Be ready for a catapult competition, woodsman station, first aid station, shooting challenge at the range, and MORE.

Meet up with camp at Friday nights opening chili cracker barrel at 9pm in the Dining Hall. Patrols should be planning to COOK a hot meal this year for breakfast and lunch this year. Saturday dinner will be provided in the dining hall.

Come and enjoy the event, work together, earn KASH, blow all of your KASH on a 12 pack of mountain dew, and grow in Scouting.

The best advice we can give is (in the words of Scouting's founder Lord Robert S. Baden- Powell of Gilwell): "Be Prepared .... For any old thing"!

## **PATROL LEADER**

You have accepted leadership responsibility for a Patrol of Scouts in your Troop and are committed to getting them ready for the Muskingum Valley Council Klondike Derby! It's going to be a lot of work, but we have designed this leader's guide to give you lots of help. Share this information with members of your Patrol as soon as possible. Get them thinking about winter camping and start planning some activities before the Klondike so that you will be a well-practiced group ready for the Klondike. Get your patrol sled out and make any necessary repairs and/or improvements. **IF YOU PUT WHEELS ON YOUR SLED, YOU MUST BE ABLE TO REMOVE THEM EASILY.**

The Klondike Derby is quite complex and good communication is extremely important. Share the information in this leader's guide with all the members of your Patrol. To be successful, every scout in the Patrol needs to know what is going on! Good communication goes a long way toward fostering good Patrol Spirit.

## **SLED**

The Klondike Derby Sled is a critical piece of equipment for the Klondike. It is used for transporting Patrol gear required for the skill events. Sleds should have the following design features.

- Sturdy construction for carrying gear and/ or injured person
- Wide runners for good tracking on hard snow
- Provision for carrying gear for events.
- Extra water for the patrol

## **SLED CHECKLIST 2020 Klondike**

- 2 walking staves
- Patrol first aid kit
- Drinking water
- Cooking items for HOT TRAIL Lunch (patrols are on their own for lunch)
- Scout Book and/or Field guide
- Displayed patrol flag

## **WEEKEND PROGRAM**

Each patrol or "dog team" will visit the program areas (Woodsman Area, First Aid Area, Survival Area) in their designated Cohort. Each area will have multiple events. Patrols will have to complete as many activities to the best of their ability.

As they arrive at each town, the patrols should demonstrate their Scout spirit by giving their patrol yell. Patrols that do not have scout spirit will not be able to maximize their KASH intake.

They'll encounter a practical problem involving basic Scouting skills or a Team Game. Upon finishing the course, each patrol reports to the dining hall to have its score sheets checked and recorded.

## **PATROL FLAG**

The unique item that identifies your Patrol is the Patrol Flag. It sets you apart from all the other Patrols that are participating in the Klondike. Your Patrol Flag is your "calling card" to other Patrols, to other Troops, and to the Station Chiefs of each stop. There are five important features that will be considered in your flag: Design, Workmanship, Material, Visibility, and Identification. Flags will be judged and the BEST flag will net that patrol 1000 of KASH.

## **EVENT SCORING**

Within each station your patrol will be given a challenge to work through. KASH will be awarded at various places. Bring a small zip lock bag in which to safely store KASH! It might be a good idea to appoint a Keeper of the KASH! Points are also awarded for leadership and teamwork. It's your job to see that the Patrol runs smoothly, that **everyone participates** and, when necessary, that orders are given. A Patrol that works well together is always a winner!

Patrol scores will be calculated to include KASH earned for skill, leadership, and cooperation at stations.

## **PATROL SPIRIT**

When your Patrol enters a station show your patrol spirit by YELLING your patrol YELL and waving your patrol flag proudly.

## **OUTLAWS**

This year we will have designated “OUTLAWS” roaming camp during the event. These “OUTLAWS” are out to hold-up the patrols and take their hard earned KASH. Make sure your patrol knows scout, tenderfoot, and 2<sup>nd</sup> class requirements if they expect not to lose any KASH to the OUTLAWS. If the OUTLAWS find that one or more of your Patrol members are wet and/or cold, he/they will immediately escort them to First Aid for treatment.

## **KLONDIKE AUCTION SATURDAY NIGHT**

The Saturday night activity will consist of an auction of donated goods. Patrols may bid on items using the Klondike KASH they earned during the event. **Each patrol should bring two or more items for the auction** (cookies, chips, pop, etc.). There will be a limited amount of auction goods so if your patrol sees something it likes, get busy and start bidding.

## **CLOTHING**

Proper clothing is one of the most important ways to ensure your survival on a winter outing. If you are well prepared, you are warm and dry, but if unprepared your feet are wet and freezing and your body loses its heat dangerously fast. The survival rule: when the poorest equipped Scout becomes too cold or wet to continue, the whole Patrol must stop and care for him and return to base camp. Winter weather is very changeable, requiring preparedness for almost any condition. A nice day can turn into a raging blizzard. Your best protection is your common sense. Dress in layers. Avoid working up a sweat and keep yourself comfortable by removing or adding layers of clothing. Waterproof boots are essential. Wear socks of wool or other material that wicks away perspiration. A wool stocking cap or similar head gear with ear coverings is necessary both during the day and at night in the sleeping bag to retain warmth. Scarves are recommended to protect the face from the cold and biting wind. Gloves may be worn, but they are not as warm as mittens.

Sometime before the Klondike every patrols should conduct a “*shakedown*” inspection to make certain everyone has the proper clothing. When your Troop meets to leave for the Klondike, check them again.

Scoutmasters and SPL's need to do a clothing check BEFORE Saturday's opening, EACH member of the Patrol SHOULD meet the following minimum requirements:

- Wearing insulated and waterproof boots
- Wearing a warm hat that covers the ears
- Wearing warm & waterproof mittens or gloves
- Wearing warm, snow-resistant pants, and
- MINIMAL (if any) COTTON CLOTHING

### **Saturday Breakfast and Lunch**

Patrols are responsible for Saturday breakfast and lunch. A warm breakfast with a hot drink will help wake your patrol up in the cold hours of dawn and give them the energy to take on the weekend adventure that lies ahead. A hot meal at lunch will give them the sustained energy to stay warm.

Here are a few examples:

- Hot chocolate
- Oatmeal with an added protein such as chopped nuts or peanut butter stirred in
- Dutch oven breakfast casserole
- Soup w/grilled cheese
- Dutch oven lunch casserole
- Foil pack lunch
- THINK HOT FOOD AND HOT DRINKS

### **Weekend Menu for the provided meals**

#### **Friday night cracker barrel - provided**

- Chili
- Cornbread
- Various chili toppings

#### **Saturday night dinner - provided**

- Smoked pork
- Mac n Cheese
- Coleslaw
- Beans
- Dessert

**Patrols are responsible for their own breakfasts, lunch, and trail food as they see fit.**

## **Weekend Schedule (tentative as of 9.25.2020)**

### **Friday**

6:00 - 8:00 pm	Arrival / Check-In – Welcome Center
9:00 pm	Camp wide Chili Cracker Barrel - Provided
9:30 pm	Leaders / SPL Meeting – Dining Hall
11:00 pm	Camp Quiet

### **Saturday**

??? – 8:00 am	Breakfast in your campsite (SHOULD BE A HOT MEAL)
8:00 am	Opening Flag Raising– Upper Parade Field
8:15 am	SPL and Leaders Meeting – Dining Hall Leader Table
8:30 – 10:00 am	Patrols go to First Area
10:15 - 11:45 am	Patrols go to Second Area
12:00 - 1:30 pm	Lunch – Trail/Campsite Lunch
1:45 – 3:15 pm	Patrols go to Third Area
3:15 - 5:00 pm	Catapult setup / testing - Upper Parade Field
5:00 pm	Klondike Derby Race - Upper Parade Field
5:50 pm	Lowering of the Colors
5:30 pm	Supper – Dining Hall (Provided)
6:15 pm	Catapult Action
7:30 pm	Chapel Service – Dining Hall
8:00 pm	Klondike Auction
9:00 pm	Awards
11:00 pm	Camp Quiet

### **Sunday**

11:00 am	Camp Clear - Everyone to have a safe trip home
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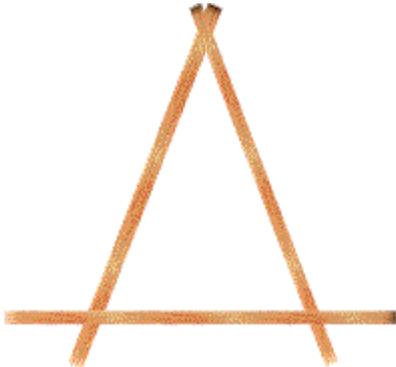
## Building a Catapult

The catapult that is described here will throw a tennis ball several hundred feet. Obviously if you reduce the dimensions of the components the distances you can throw will change accordingly.

### Equipment List

Quantity	Item	Comments
3	2.4m (8ft) spars (front face)	All spars must be good quality. DO NOT use dowelling.
3	4.5m (15ft) spars (back brace)	
1	4.5m (17ft) spar (throwing arm)	Best results will come from a good but relatively thin spar.
1	1m (3.5ft) spar (throwing arm cross piece)	Must be strong
15m (50ft)	.6cm (1/4in) or thicker rope	Launching rope
7 X 3.5m (12ft)	.6cm (1/4in) rope	These are for lashing. I prefer braided nylon or better still, braided polyester.
1	double pulley or 2 single pulleys	Must fit the launching rope above.
1	throwing tin	<a href="#">(see diagram below)</a>
2 X 1/2m (20in)	.6cm (1/4in) rope	to attach pulley(s) and throwing tin
1 supply	Tennis balls	

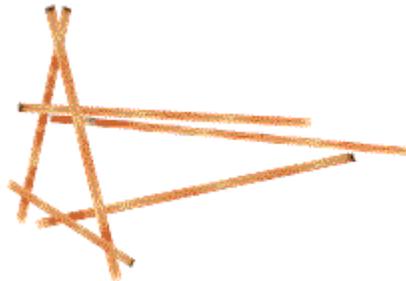
## Step 1 - Build front face triangle



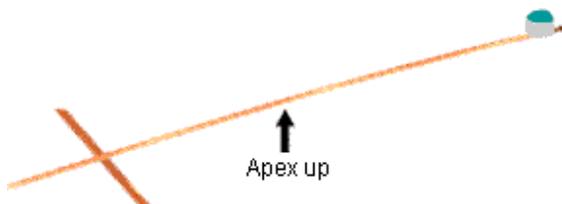
Lay out the 2.4m spars as shown in the diagram and lash the spars together with a square lashing where they cross.

## Step 2 - Attach the back supports

Lash the back brace spars to the front face triangle as shown in the diagram. Note: The two side spars should be lashed to the inside of the triangle about 2/3 of the way up from the bottom. The bottom spar should be attached on the outside.



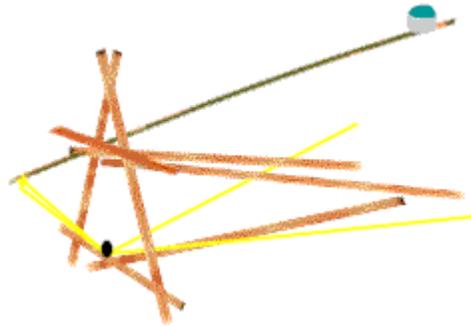
## Step 3 - Build the throwing arm



- Lash the throwing arm cross piece to the bottom side of the throwing arm about 1m (3.5Ft) back from the thickest end. If the throwing arm has a curve in it make sure the apex of the curve is up (see diagram).
- Attach the throwing tin to the tip of the throwing arm.

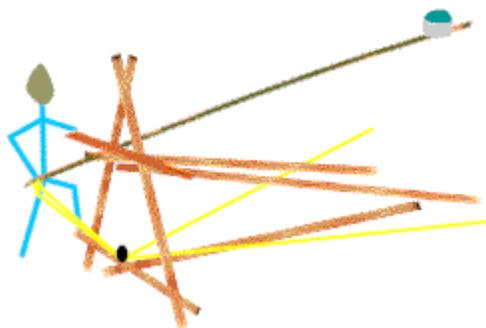
## Step 4 - Assemble the catapult

1. Set the completed throwing arm into the catapult as shown.
2. Attach the pulley(s) to the end of the lower back support.
3. Attach the middle of the launching rope with a clove hitch to the large end of the throwing arm.
4. Run the two ends of the launching rope through the pulley(s) and lay them back beside the two back supports.



## Step 5 - Safety considerations

The excitement of watching the tennis ball sail out and hit its mark is the fun of building a catapult. However, what goes up will also come down and the throwing arm is no exception. Once the balloon is launched all eyes will follow the ball and unfortunately not the descent of the arm. One person **MUST** act as safety control and control the descent of the arm. (see the diagram). This means that they must stand just in front of the catapult and keep their hand on the short end of the throwing arm. The same person can check the path of the throwing arm before they call "fire" to ensure everyone is clear.



## Step 6 - Operation

Assign youth to pull the launching ropes. Depending on their strength and size, you can assign several on each rope. When the Tennis Ball is in the tin and everyone is clear of the arm, the safety control person should yell "fire" and both ropes pulled. If the throwing arm is heavy then the safety control person may want to assist the throw by

pushing down on the throwing arm extension. (Remember to control the descent of the arm after the ball has been thrown.)

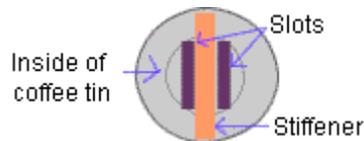
## Step 7 - Have fun!

As with all games a set of rules will help keep the excitement under control. If you are building several catapults to throw balloons at each other, then here are some simple rules that have work for me.

1. No balloons will be thrown until all the catapults are built and operational. (This keeps the focus of the teams on the building process.)
2. No balls will be thrown by hand.
3. Only tennis balls can be thrown.

## Throwing Tin

The throwing tin is made from a large coffee tin. The side is cut down to a 8cm (3in) height and the edge is turned over. Two slots 1.25cm (.5in)wide X 10cm (4in)long, about 2.5cm (1in) apart. (see diagram). Tape the edges with duct tape. (Note: If the tin is to be used on several occasions then add a stiffener that fits inside the tin between the two slots and extends out to the sides. Hold it in place with more tape!)



**Special Note:** The distance that this catapult can throw a ball is a related to the square of the length of the throwing arm.

i.e. an arm  $\frac{1}{2}$  the length will only throw a tennis ball  $\frac{1}{2} \times \frac{1}{2}$  or  $\frac{1}{4}$  of the distance.

In addition, the weight of catapult itself shouldn't be too light.