



Monkey Bridge

The Crean Award:

Discovery:

Patrol/Troop Activity
Skills

Terra Nova:

Task/Role in Patrol
New Skill
Patrol Activity
Leave No Trace
Skills

Endurance:

Develop Teamwork
Patrol activity
Skills

Polar:

Share Skills
Skills

SPICES

Social
Physical
Intellectual
Spiritual

Adventure Skills

Pioneering

The Activity:

Objective:

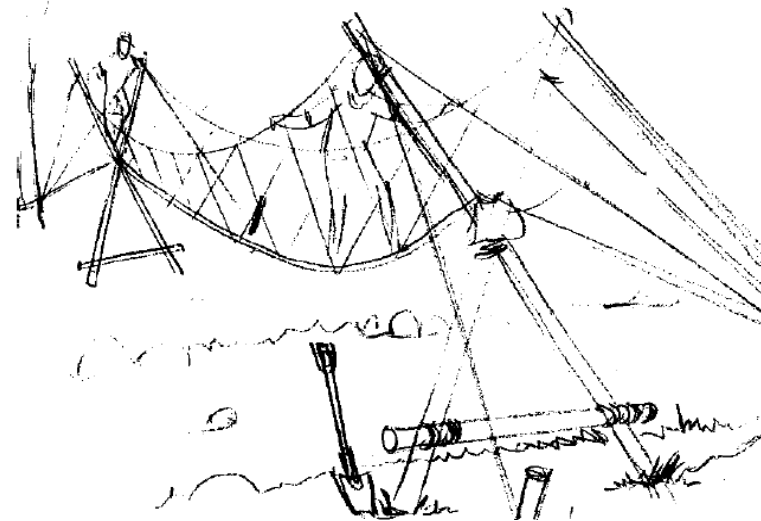
To construct a monkey bridge using a 3-2-1 picket and a block and tackle

Activity Type:

Patrol/Troop Activity

Roles:

Activity Leaders
Quartermasters
First Aiders





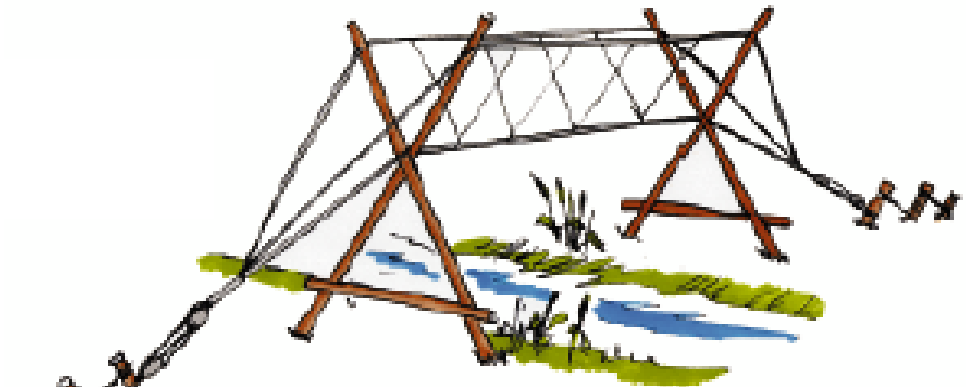
Plan...Monkey Bridge

A Monkey Bridge is constructed using two sheer legs and a hawser ropes, with handrails, and secured using pickets. This can be a challenging yet simple structure to build as most of the bridge is constructed using rope.

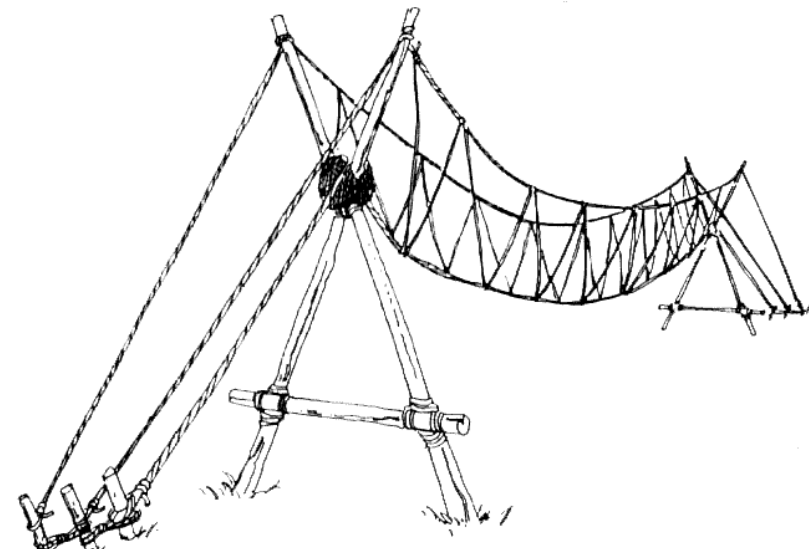
It is best to practice building the bridge before constructing it over a river. Before you begin you and your patrol will need to be familiar with basic lashings, 3-2-1 picket anchor and pulleys.

Equipment:

- 6 Spars for A-Frames
- 6 Pickets
- 3 hawsers (ropes) 20 – 24m long
- 2 pulleys
- Sisal for lashings
- Sacking
- Pegs



Monkey Bridge



Do... Monkey Bridge

Step 1: Assemble Gear



Step 2: Build A-Frames



The top portion of A-Frame should allow you to position the handrails at about shoulder height. The distance between the tips of the spars should be 1 metre apart.



Do... Monkey Bridge

Step 3: Get Pickets ready

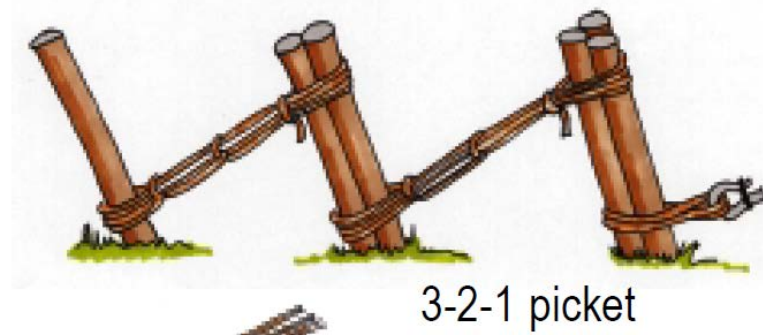
Points to Remember:

Make sure that the A-Frames, the Pickets and the Fixed Anchor (the tree) are all aligned – the frames must be in a straight line between the ground anchors/trees.

The sheer legs are then raised into position and the base of the spars butted into the ground and guyed into position. Tie guy ropes to the top of the spars and secure to pegs.



As a rule of thumb: Pickets should be positioned in the ground approx. 3 times the height from which the main rope leaves the structure. i.e. if the main rope passes over the legs at 2m above the ground then the pickets should be 6m from the base of the legs.





Do... Monkey Bridge

Step 4: Secure one end



With fixed anchors, make a loop to fix pulleys by wrapping a rope around it several times. Protect the tree by using some sacking. Also, use sacking where the 'foot' rope is in contact with the A-Frames.

Step 5: Use the Block and Tackle



- Hand rails are attached using clove hitches and are carried down to the ground like guys.
- Securing ropes are tied between the handrails and footrope using clove hitches.
- Test structure before using.

Step 6: See if it Works



Pulleys will need to be checked at regular intervals to take up slackening of ropes with use.





Review "Monkey Bridge"

Social

- Relationships
- Communication Skills
- Other Cultures
- Community Involvement
- Promise & Law

Physical

- Eat Well
- Personal Hygiene
- Balanced Lifestyle
- How Body works
- Physical Limitations
- Health Choices
- Access Help

Intellectual

- Achieving Goals
- New Ideas
- Learn from Decisions
- Team Member

Character

- Promise & Law
- Friends & Friendships
- Plan before do
- Ensuring Fairness
- Respect
- Differences & Views
- Following Dreams
- Live the Scouting Spirit

Emotional

- Aware of feelings
- Asking/Giving Help
- Responsibility for Emotions
- Controlling Emotions
- Going Further
- Beliefs & Values
- Developing Talents

Spiritual

- Promise & Law
- Impact on Environment
- Reflection
- Changing Beliefs





Patrol Review

Adventure Skills

Pioneering

Project Review

What went exactly according to plan?

What could have gone more according to plan?

Patrol Review

What will we do next?

