



Scouter's Edition

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:

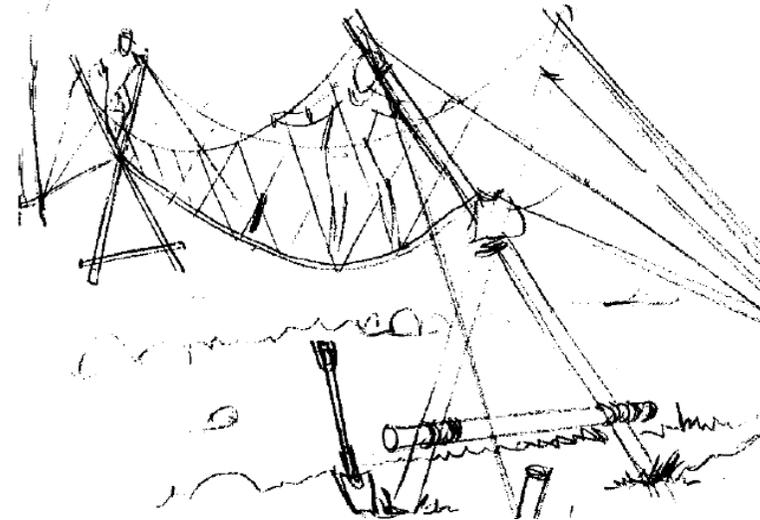
To construct a monkey bridge
using a 3-2-1 picket and a block and tackle

Activity Type:

Patrol/Troop Activity

Roles:

Activity Leaders
Quartermasters
First Aiders





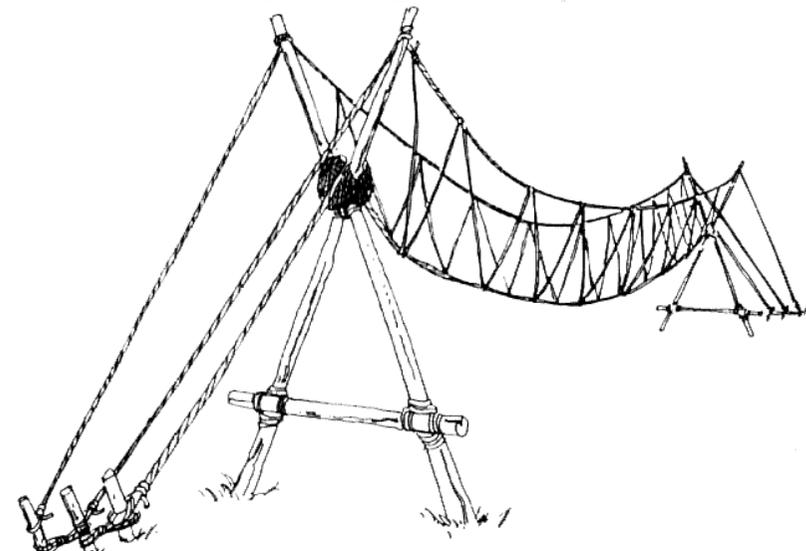
Plan...Monkey Bridge

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



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

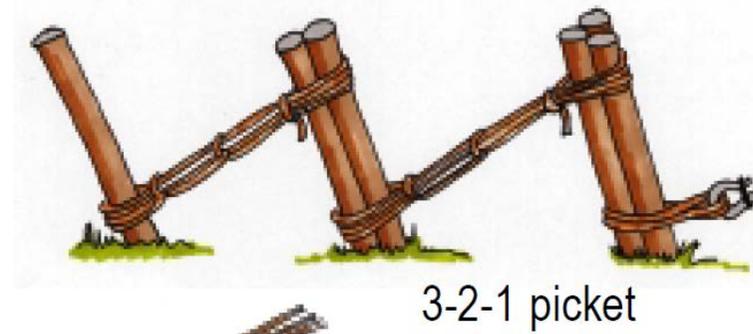
Points to Remember:

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. **Ensure the structure follows this pattern.**

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. **Make sure the frames are secure before moving forward.**



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?





Review Summary

The Monkey Bridge is a good technical challenge for a Patrol, not just in Pioneering but in working as a team. You can use the practical nature of this project to help in the review.

Have the patrol make out a model of the project. However, they must try to construct the model in the same way they made the real one- that is, building it in order with the same people doing the same things. Use this to spark a review of the project. This could be good for prompting memories of what worked and what could have gone better.

When considering the SPICES, look at aspects such as:

- Communication (Social): How did everyone communicate? Did the Activity Leader give clear instruction? Did everyone do as instructed? Did all scouts get involved?
- Physical abilities (Physical): Were the right people doing the right jobs? Was everyone's safety taken into consideration?

- Achieving Goals (Intellectual): Did the Patrol finish what they had started? Were their setbacks? How did you react to them?
- Reducing Impact on the Environment (Spiritual): Did the patrol take every effort to protect the environment? Especially, when using trees as anchors?

For the Pioneering Adventure Skill, have each member review how the project worked towards their Stage. Also, have them pick out their next pioneering project.

