

Rope Trick

Objectives:

Students will hypothesize methods for removing the rope from their hands.

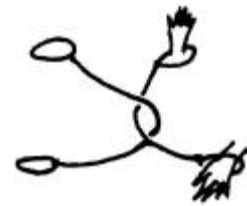
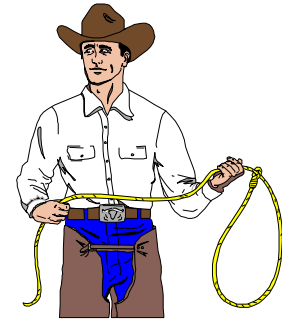
Students will use problem-solving skills to remove the rope.

Materials:

Two ropes, approximately 5 feet long with loops (slip knots) tied in the ends of each.

Procedure:

1. Place the loops of one rope over your partner's hands.
2. Hang the other rope over the one your partner is now wearing.
3. Place the loops of the second rope over your hands. See illustration below.
4. Without cutting, untying, or removing the loops from your hands or your partner's hands and without untying the knots, get the ropes apart.



Results:

1. What methods did you try at the beginning of this task?
2. What method did you use to finally get the ropes apart?
3. What could you have done to escape faster?
4. How is this science?

Rope Trick

Teacher's Instructions

Objectives:

Students will hypothesize methods for removing the rope from their hands.

Students will use problem-solving skills to remove the rope.

Materials:

Two ropes, approximately 5 feet long with loops (slip knots) tied in the ends of each.

The method for getting free is very simple. Take the rope which is on top and make a loop. Push this loop through the back side of the loop on your partner's opposite hand. See the illustration below.

