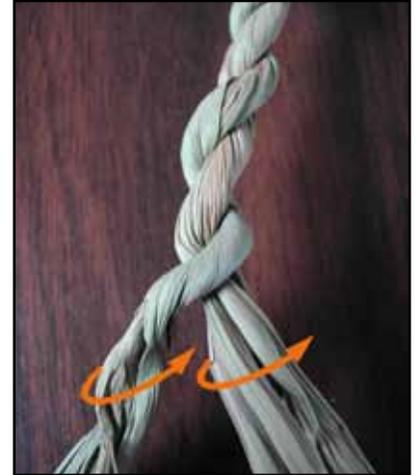
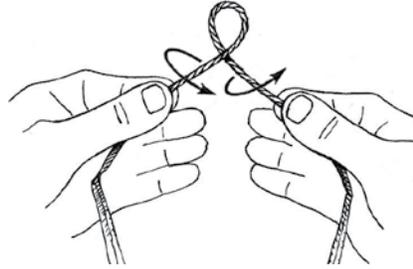


AMAZING SCIENCE!

ROPE TWISTING

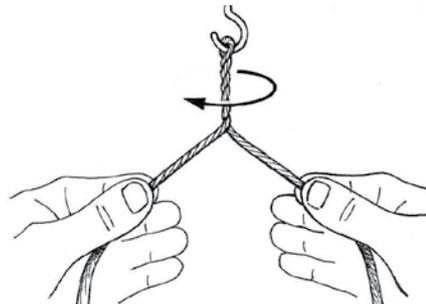
1. **TWIST RIGHT:** Both hands twist each line to the right.

HINT: It is the opposing twist and then cross that is the key to the rope. Opposing friction holds the two pieces together!



2. **CROSS LEFT:** Cross right line over left

HINT: If you make an error in twisting or crossing, simply back up, unravel and begin again.



3. Tighten by gently pulling both lines in a wide “V.”

4. Repeat - rope should be a even spiral.

SPLICING

1. Before coming to end of line (2 in), add length by laying a new strand over existing two lines.
2. Bend in a U shape, one tail down each old strand, and the U tucked into the last twist.
3. Fit new U strand loop into the existing “V” of rope.
4. Tightly twist new leaf lines into old leaf lines.
5. Continue as before. Repeat as necessary.