

TUNING the FLUTE! Helpful notes.

Generally speaking your flute will be at an 18 to 1 ratio. A 1 inch bore will be an 18 inch bore inside length. A $\frac{7}{8}$ " bore dia. will be about a 17" length inside bore length.

NOTE #1. PITCH drops as you drill holes.

NOTE #2. Shorter length equals a higher tone.

Tune the flute only after the shellac finish has been poured into the true sound hole and been worked around to coat the inside, and the shellac has dried completely.

With a chromatic tuner you must get an f3 with no holes yet drilled. You slowly wafer off wood from the bore end until you get an F#. THEN remove $\frac{3}{16}$ inch wafer more to allow for the soon to be drilled holes which drops the tune down some more.

NOTE HERE...We are balancing the sound so that when all holes are drilled and no fingers are covering any holes...we will have an F#.

1. Now begin...cover holes 2,3,4,5,6 and tune hole 1. It will be an "A". Say you are at a "G#" if that were so you'd be nearing an "A". Use a REAMER tool to enlarge hole 1. Check often for the "A". NOTE. AS YOU REAM YOU WILL HAVE WOOD SPLINTERS AND CHIPS ON THE INSIDE..THESE MUST BE CONSTANTLY SANDED OFF INSIDE. MUST BE SMOOTH.
2. to get the "B" cover C# (the 3rd hole) as well as D, E and F# holes. All the while leave "A" open of course. After "B" is completed go on to C# by covering holes 4,5 and 6.
3. Now for the 4th hole which is "D" you have a minor change...cover hole 3 and 5 and 6..
4. Hole #5 will be an "E" so cover holes #4 and #6 to get "E". Finally to get F# cover just "D" hole only.
5. THAT SHOULD DO IT!

