



# Cello

Tip delicate [tremelo] (harmonic - no LH finger pressure) →

gradually increase pressure from thin to heavy (scrubby) decrease pressure (half-scrub) increase pressure

*mf* *pp*



slow tremelo to individual notes extremely high pressure, very small bow movements irregular decrease pressure increase speed to tremelo

*mf* *pp* *mp* *pp* *n*



(cont. harmonic) U.H. increase speed to spiccato/jete at tip broad/brush (1/3 to 1/2 bow length strokes)

*mf* *ppp* slight cresc *ff*

increase pressure

heavy pressure

extremely heavy pressure, crunch into strings, very little "horizontal" bow movement

frog

just rotating bow

mf

mp

pp

light bow pressure

fast

heavy pressure

f

f

ff

extremely heavy pressure, crunch into strings, very little "horizontal" bow movement

frog

medium-heavy pressure: scrubby

medium/slow trill

bar 1st finger, trill 2nd or 3rd (as bar also) aprox 1" above other finger

n

ff

ppp

ff

ppp

mf

[subtone]

[tremelo] pp

subtone fff

This musical staff features a series of horizontal lines. A dotted line with an 'x' at its start is positioned on the top line. A second dotted line with a solid dot at its start is positioned on the second line from the top. A third dotted line with an 'x' at its start is positioned on the top line. A horizontal line with tick marks is below the staff. A diagonal line slopes downwards from the first measure to the second. A horizontal line is below the staff, starting from the second measure.



fff

This musical staff features a series of horizontal lines. A dotted line with an 'x' at its start is positioned on the top line. A horizontal line with tick marks is below the staff. A horizontal line is below the staff, starting from the fifth measure.



subtone fff

n

to normal tone to thin tone

This musical staff features a series of horizontal lines. A dotted line with an 'x' at its start is positioned on the top line. A horizontal line with tick marks is below the staff. A horizontal line is below the staff, starting from the second measure. A horizontal line is below the staff, starting from the fifth measure. A horizontal line is below the staff, starting from the eighth measure.



(link pressure and dynamics)

[subtone] [scrub] [thin scrub]

fff p mf p

This musical staff features a series of horizontal lines. A dotted line with an 'x' at its start is positioned on the top line. A horizontal line with tick marks is below the staff. A horizontal line is below the staff, starting from the first measure. A horizontal line is below the staff, starting from the second measure. A horizontal line is below the staff, starting from the fourth measure. A horizontal line is below the staff, starting from the sixth measure. A horizontal line is below the staff, starting from the eighth measure. A curved line slopes downwards from the first measure to the second. A horizontal line is below the staff, starting from the second measure.

[subtone]

ff f ff pp

This block shows a musical staff with dynamics *ff*, *f*, *ff*, and *pp*. Above the staff, there are two 'x' marks. Below the staff is a waveform that starts with a gradual rise, followed by a sharp peak, and then a gradual decay.



extremely heavy pressure, crunch into strings, very little "horizontal" bow movement

frog

heavy, pressure, almost NO bow movement  
listen for individual "clicks"  
crackling

mf

This block features a musical staff with notes and a dashed line with 'x' marks. The notes are grouped with a slur and labeled 'frog'. The dashed line is labeled 'mf' and 'crackling'. Above the staff, there are descriptive notes: 'extremely heavy pressure, crunch into strings, very little "horizontal" bow movement' and 'heavy, pressure, almost NO bow movement listen for individual "clicks" crackling'. Below the staff is a waveform with a sharp peak and a jagged, oscillating line.



This block shows a musical staff with a dashed line and a waveform below it. The dashed line has several 'x' marks. The waveform is a jagged, oscillating line.



[scrub jete]

mf ff >

This block features a musical staff with notes and a waveform below it. The notes are grouped with a slur and labeled 'mf' and 'ff >'. Above the staff, there is a label '[scrub jete]'. Below the staff is a waveform that starts with a dashed line and then a sharp peak.

A musical staff with various dynamics and performance markings. The dynamics include *ff*, *mp*, *ff > mp*, *ff*, *ff > ppp*, *mp*, *mp*, *f*, *mp*, *ff*, and *mp*. Performance markings include a series of 'x' marks, a wavy line, and a series of diagonal slashes. The staff is divided into measures by vertical bar lines.



A musical staff with performance instructions and markings. The instructions include "[scrub]", "sustain until all players have arrived at fermata", "violin 1, viola, cello continue to sustain", and "violin 2 begins final note". There are also markings for "1 10\"", "2 15-20\"", and "n". The staff is divided into measures by vertical bar lines.