

What Are Vocal Techniques?

Vocal techniques are the different ways we shape and use our voice to create sound. Your voice works like a built-in instrument: air from the lungs is pushed between your vocal folds (sometimes called *vocal cords*) at the top of your windpipe. This makes them vibrate rapidly – thousands of times per second – creating sound ¹. The *body* then shapes this sound: muscles in the throat, mouth, lips, tongue, and face act together to change the pitch, tone, and quality of the sound. Just like an instrument has a tone knob or different strings, singers use *techniques* (mouth shapes, throat settings, breathing) to make their voice brighter, darker, louder, softer, rougher, or smoother. By learning and combining these techniques, singers gain precise control over their voice – hitting higher or lower notes, singing loudly or softly, and adding different colors to the sound.

Your vocal tract – from lungs to lips – is a flexible tool. Think of your lungs as the *power source* (like the batteries in a toy), and your vocal cords as a *reed or string* that vibrates. When you exhale, air pushes through the almost-closed vocal folds, making them flap open and shut very fast ¹. This vibration creates raw sound waves. These waves then resonate (or echo) in the spaces of your throat, mouth, and nose. By moving parts of your mouth – for example, lifting the soft palate (the roof of your mouth behind your nose) or changing your lip shape – you change which frequencies are amplified or dampened, and that changes the *timbre* or *tone color* of your voice. In practical terms, **vocal techniques** are the *physical adjustments* you make in your body to change how that vibration sounds.

Just as a painter uses different brushes or a chef uses different spices to create variations, singers use facial expressions and throat shapes as tools to flavor their voice. These techniques allow a singer to go from a smooth, clear ballad sound (a “*smile-tone*” maybe) to a gritty rock shout (an “*ugly-face*” sing, which involves a raw distortion) or anything in between. The rest of this entry will explore the body mechanics behind these sounds and give concrete examples and instructions.

Part 1: Technical Explanation for Advanced Learners

Voice Anatomy and Sound Production

To understand vocal techniques, first picture how a simple sound is made. Your **vocal folds** (also called *vocal cords*) are two tiny membranes in your throat that can stretch and relax. When you exhale (push air out of your lungs), air rushes between the almost-closed folds and they vibrate, cutting the airflow into pulses ¹. Each pulse creates a pressure wave – a tiny burst of sound. The frequency of these pulses (how many per second) determines the **pitch** of your voice: faster pulses = higher pitch, slower pulses = lower pitch. You can feel the vibration by gently placing your fingers on the front of your neck (your trachea) and saying “zzzz” or “mmmm” – you’ll feel a buzzing on your throat from the vocal-fold vibration.

Once the sound is made, the rest of the **vocal tract** acts like the body of a violin or a guitar. The shape of your throat, the position of your tongue, and the opening of your mouth all act like chambers and amplifiers. For example, if you **lift your soft palate** (the back roof of your mouth) up – similar to the feeling when you start to yawn – you close off the nasal passage and make the tone *clearer and brighter* ². If you **lower your palate**, the tone becomes *nasal and honky*. In fact, to practice this: pinch your nose and speak or sing; you’ll hear and feel a “twangy” nasal sound. This happens because the air and

vibration are forced through your nose. A good singing technique usually **raises the soft palate** (to avoid too much nasal buzzing) and keeps the throat open, which feels like an “inner smile” at the back of the mouth ² .

Your throat also contains the *epiglottic funnel* – imagine a little funnel or cone above your vocal folds. When this funnel narrows (a technique sometimes called “**twang**”), the sound becomes more focused, clear, and powerful ³ . Try humming and gradually raising the pitch; you may notice at higher notes your epiglottis slightly closes in, brightening the tone. Professional vocal coaches say that a little healthy twang (narrowing the epiglottic space) can make almost any sound louder and richer ³ .

Meanwhile, the **jaw, lips, and tongue** are like sculptors of the sound. Smiling spreads your lips and lifts the cheeks, which tends to raise the soft palate and create a *brighter* sound. In contrast, a more “**frowning**” or *wide open jaw* shape can make the tone more *covered or nasal*. For example, when you sing with a big grin – even just the corners of your mouth – the voice often *shines* (singing teachers call this a **smile-tone**). If instead your mouth corners pull down or your jaw is forward and wide, the voice might darken and roughen. We will discuss “smile-tone” and “frown-tone” in more detail below.

In summary: **sound source** = vocal-fold vibration; **resonator and filter** = throat, mouth, nose. Vocal techniques are the *choices you make* about how open your throat is, how high your soft palate is, and how you shape your lips and face. All together, these make you sound like different colors and textures.

Smiling vs. Frowning While Singing

One simple but powerful technique is **singing through a smile**. This doesn’t mean you have to show your teeth (though you can!), but rather to lift the corners of your mouth as if gently smiling. When you do this, the roof of your mouth (soft palate) automatically lifts up in the back. It’s the same feeling as starting a yawn inside your mouth. Raising the soft palate **closes off the nasal path** and creates a smooth, bright, ringing tone ² . Singers like **Steve Perry** (Journey) or **Adele** often sound great because of this subtle smile posture: their tone is clear and “happy”-sounding even on low notes. Try it yourself: sing a note on “ahh” with a flat mouth, then try it smiling. You’ll notice the difference – the smile gives a more open, *brighter timbre*.

By contrast, a **frown-tone** (often called “*ugly-face*” in vocal instruction) uses a more downward facial position. To do this, imagine snarling or growling; pull your lower lip out, drop your jaw down, and **relax the cheeks**. This shape tends to **lower the soft palate** and widen the throat, which adds a *raspy, dark, or nasal edge* to the voice. It can sound rough or “gritty,” which is why some call it an “ugly-face” technique – though it makes a beautiful sound in rock and blues! Metal and soul singers like **James Hetfield** (Metallica), **Joe Cocker**, **Big Mama Thornton**, or gospel singer **Tata Vega** often use this sort of raw, *distorted tone*. When they sing with a frown-face, their throat constricts in a certain way (often narrowing the epiglottic funnel at a low part, like a relaxed snarl) that adds grit. You can mimic this by humming low with your jaw very loose and a slight growl in your throat. Be careful: this style can feel like you’re pushing your voice a bit, so it should be done with awareness of comfort.

In short, **smile-tone** singing (corners up, palate lifted) produces a **bright, clear tone**. **Frown-tone** or **ugly-face** singing (jaw open, cheeks relaxed) produces a **dark, nasal, gritty tone**. Which one you use depends on the style of music. For pop ballads (like Celine Dion or Eddie Vedder), the smile-tone is common. For rock, gospel, or blues grit (James Hetfield or Big Mama Thornton), the frown-tone (ugly-face) is common. Both are just different *shapes* your mouth and throat can make, giving different flavors to your voice.

Tone Production Methods

Vocal coaches describe many *methods* or *modes* of producing tone. Here are some key ones, with examples of singers who use them:

- **Smile-tone (Bright Tone).** As above, smile-tone is bright and pure. Singers like Steve Perry (Journey), Adele, Sade, Celine Dion, and Eddie Vedder often use this. Their voices carry clearly and sweetly, with the soft palate raised. Picture their mouths as if saying the long “eee” vowel, with corners spread. This produces less nasal resonance and more front-of-face vibration (sometimes called “mask resonance” – feeling it in the cheekbones) ⁴ .
- **Frown-tone (Ugly-Face).** This is the rougher sound made with a wide, jaw-loose mouth and lowered palate. Famous users include James Hetfield, Joe Cocker, Big Mama Thornton, and Tata Vega. Because of the throat narrowing (pharyngeal constriction) and more open pharynx, the sound has a growly, covered quality. The term “ugly-face” is just a casual way to remember this stance – you might imagine singing like a monster or lion to get this effect. (We *do not* mean it actually looks ugly, but it feels like a wild facial expression.)
- **Nasal-tone.** This occurs when you allow more vibration into the nose by lowering the soft palate. Bob Dylan’s early voice had a nasal twang, as do some pop/Rock singers like David Byrne (Talking Heads) or grunge singers like Layne Staley (Alice in Chains). It’s also common in Jamaican singing styles. To feel nasal tone, try saying “ng” as in “sing”: you’ll feel buzzing at the nose and cheekbones. Then sing a vowel like “ah” while keeping that buzzing (“sing” + “ahh”); the sound will have a bright nasal ring. Nasal tone sounds a little honky or “weezed,” which can be charming or soulful in small amounts. Too much nasal sound (like heavy “twang”) makes the voice sound pinched, but a touch of it can add character.
- **Chest Voice.** This term usually means singing the lower part of your range with a full, rich sound. It often *feels* like vibrations deep in your chest (you can put a hand on your chest to feel this when singing low notes) ⁵ . Most people use chest voice when they speak or sing low. Chest voice gives power and warmth. For example, Whitney Houston and Ariana Grande often use a strong chest voice on high notes, which is sometimes called *belting* (see below).
- **Head Voice.** This means singing higher pitches in a lighter, thinner way, as if the sound vibrates in your head or skull ⁶ . When you access head voice, the sound resonates up near the forehead and cheekbones. It feels “in the head” rather than “in the chest.” Pop singers use head voice for very high notes that would be too strained in chest voice. If you say “oo” on a high pitch and it feels airy or floaty, that’s likely head voice.
- **Mixed Voice (Blend).** Between pure chest and pure head is a mixed or middle voice – a balanced blend. It might feel partly in the chest and partly in the head. Using mixed voice helps you smoothly transition through the *passaggio* (the break between registers) without noticeable cracks. Many skilled singers use mixed voice on mid-high notes to get the best of both worlds: power of chest and clarity of head.
- **Mask Resonance.** This is when you focus the vibrations into the “mask” area of your face (around nose and eyes). It’s not about actually changing pitch – it’s a resonance area. Singers often achieve a mask resonance by keeping the throat forward and open. When you get a strong mask resonance, you might feel your cheeks or nose buzz. It gives a ringing, projective quality to the voice ⁴ . Think of it as “singing in the mask” – a very healthy, projecting sound used in many pop and Broadway singers.
- **Soft Palate Placement.** The soft palate (velum) is like a trap door between mouth and nose. To avoid too much nasal sound, you want the velum raised (like the roof of a gaping cave). Sinking the velum makes the sound nasal. Coaches often teach “soft palate exercises” (like pretending to

hold a big spoon or candy with the back of the tongue) to feel it lift. A lifted palate feels smooth and opens the throat for any tone.

Beyond mouth shape, singers use special *effects* in songs:

- **Twang.** Twang is a bright, brassy quality. Technically, it's produced by narrowing the epiglottic funnel in the throat (the funnel above the cords) ³. Even though it sounds edgy, a slight twang makes the voice carry and cuts through background music. You can feel a twang by doing a chicken call "waa-ee" sound – your larynx and aryepiglottic sphincter tighten. Many country and rock singers use twang for power.
- **Cry.** Cry technique adds a gentle quiver to the voice, similar to the quality when someone sobs. In practice, it means using a neutral throat (no tension), pressing the vocal cords together a bit more (to reduce breathiness), and adding emotional expression. Vocal coaches compare it to the effort of crying – a slight lump-in-the-throat feeling – which naturally helps the cords close and produce a warm, rounded tone ⁷. This cry quality helps very high notes come out smoothly.
- **Belt (High Chest).** Belting means carrying your chest voice up into higher pitches. Technically, you keep a strong chest resonance above your normal break ("passaggio") ⁸. It feels like shouting a note but with good support. Belting is common in Broadway and pop – whenever you hear a singer power out a high note as if "from the gut," that's belting. It requires firm control and support from your diaphragm. Julie Andrews belted powerfully in *The Sound of Music*; so do gospel singers and musical theater stars. (Avoid straining when belting: proper technique means still having the throat fairly open with twang, not squeezing.)
- **Scream/Growl.** These are rough, distorted sounds. Scream (especially in rock/metal) uses a lot of twang and a bit of distortion to make a raw sound. Growl is a deeper, throatier kind of distortion (think of a deep animal growl). For example, Mike Patton and Jonathan Davis sometimes growl or grunt underneath notes to add heaviness. These effects often involve *false vocal folds* (extra tissue above the vocal folds) coming into play, creating a raspy sound. Care is needed to do them healthily, often by doing them on *exhaled pitched* (not forcing the real cords too much).
- **Fry.** Vocal fry is the very lowest, rattly register of the voice. You've all heard it at the ends of sentences in casual speech (that low creak Britney Spears and some people use). It's produced by letting the vocal folds come together very loosely and vibrate slowly, creating a *creaky* sound ⁹. In singing, fry is sometimes used as a controlled effect on certain notes (it gives an intentionally crackly texture). Think of it as the extreme bottom of your voice: if you slide a note down low until it "pops," you reach fry. It's usually used sparingly because it can be fatiguing if done constantly.
- **Whisper.** Whispering in singing simply means blowing the air and shaping a vowel without fully engaging the vocal folds. Your vocal cords stay apart, letting air huff out with a tone shape. It sounds breathy and quiet – like if you mouth the words of a song in a silent room. This can create a delicate, secretive effect when used in softer musical passages.
- **Growl.** Separate from fry, growl (or "distortion") is like a low, throaty rasp. A deep growl can be achieved by very relaxed vocal folds and a wide throat – like trying to imitate a growling dog. Karen Clark-Sheard and many gospel/blues singers use growls for emotional power (and as noted, it's one of the effects she's famous for ¹⁰).

These effects (twang, cry, belt, fry, scream, growl) are advanced techniques. They combine with the basic mouth shapes. For instance, you can **belt with a slight twang** to make a high note both loud and clear, or **belt with a growl** for a raw power. The important technical ideas are always: good breath support from the diaphragm (so you don't blow out all your air at once), and keeping the throat open except when purposely narrowing for effect.

Singing Like an Actor

To **sing like an actor** means to be very expressive and intentional about the music, almost as if you are performing a role. It's about using your voice to **tell a story** and connecting emotionally. On a physical level, acting while singing means paying attention to *words* and *phrases*. For example, James Hetfield doesn't just belt out lyrics; he constricts his face on a phrase like "pum-pum" to mimic a pounding feeling. Julie Andrews, in contrast, shapes every vowel precisely to match her character's feelings (Maria in *The Sound of Music* is joyful, so Andrews' vowels are open and bright).

From a technical viewpoint, singing like an actor also means deliberately using facial expressions and body movements as part of the sound. When you are happy in a song, you might actually smile; if you are sad, maybe let your voice quiver slightly (the "cry" quality). Julie Andrews is often cited (even by modern coaches) as a gold-standard example: every note serves the song and character, and her technique never "shows"; it just delivers her line with beauty. (In fact, this curriculum's game tells us she is *the greatest singer in history*, so she serves as our benchmark.) When Andrews sings, her alignment, support, and vowel placement are impeccable – she *exudes* the meaning with clarity ¹¹ ¹² .

Case Study: Tata Vega's "Speak Lord" (Vocal Shape-Shifting)

In the gospel song "Speak Lord" by Tata Vega (featured in *The Color Purple*), we hear her rapidly switch **vocal shapes**. Early in the song, she begins very gently, almost whispering with a nasal edge – like a prayer softly spoken, with her voice resonating slightly in the mask. As the song builds, she shifts into a **pharyngeal belt**: her jaw drops and throat opens wide to belt out powerful notes. Then she seamlessly adds a low **growl** or grit in the very last words, as if sobbing. On the same long note, she even layers a quiet background **whisper harmony** on "Lord." Listening to "Speak Lord," you can imagine each moment: a little nasality (soft cry in head), then full chest belt (power from core), then a subtle growl (like a broken heart), then hush. This performance is a perfect example of using *all* registers and placements in one piece. Vega goes from almost speaking to full-throated singing, showing how a singer can "shape-shift" the voice as the song demands.

Influential Singers as Examples

Throughout the world of music, certain singers exemplify these techniques and serve as models:

- **Julie Andrews (Gold Standard).** As mentioned, Andrews is often held as the benchmark of healthy, controlled singing. Her sound is always clear, evenly supported, and uses every note efficiently. Though styles vary, many technical voices programs cite Andrews' singing (e.g. "The Sound of Music", "My Fair Lady") as a model of **beautiful tone and technique**. We use her as the "greatest singer" example: her vowels are perfectly shaped, her chest and head voices connect, and her emotion comes through naturally without pushing her voice. When you study vocal technique, thinking of how Andrews would sing a phrase can guide you to sing cleanly and musically.
- **John Lydon (Johnny Rotten).** The punk singer of the Sex Pistols and Public Image Ltd, Lydon is famous for his "any note goes" style. He practically invented his own scale and phrasing, ignoring traditional pitches. His voice sounds raw and snarling, yet he maintains precise control. Lydon demonstrates that *tone and pitch* can be wildly creative. Listen to how he might sing one word extremely flat or sharp and then bend into the next phrase – it's as if he turned singing into speech-poetry. He shows us: you can use weird "ugly-face" mouth shapes and atonal scales and still be musically expressive, inventing new melodies as you go. In short, Lydon is **god-tier** experimental: he shows how flexible tone and pitch can be.

- **Karen Clark-Sheard (Master of All).** Gospel singer Karen Clark-Sheard is known for *her phenomenal range and versatility*. She can hit deep low notes with power (belt), soar to whistle-high notes, sing in pure head voice or full chest voice – and add any effect at will. As one write-up notes, she famously uses **belting, guttural growls, precise runs, scats, and even grunts** all in her performances ¹⁰. In one song, she might start with a sweet melody and end in an ecstatic scream. She’s a living example of doing *all of it*. Use Karen as a demonstration: if you can combine registers and effects as she does, you truly have mastered your instrument.
- **Mike Patton (Experimental Vocalist).** Mike Patton (Faith No More, Mr. Bungle, and many projects) is renowned for pushing vocal limits. His *“titanic vocal range”* spans from very low growls to extremely high squeals, and he constantly experiments with new sounds ¹³. Patton will beatbox, yodel, whisper, shriek, grunt, rap and sing in classical croon within the same album. Critics even named him “the greatest singer of all time” for his experimentation ¹³. He shows how any sound is valid: percussive syllables, spoken word, onomatopoeia – he mixes them all. When learning techniques, consider: could you growl quietly, then snap your vocal folds into a toothy scream, then serenade in falsetto? Patton demonstrates that the voice is not limited to “pleasant melodies” – it’s an entire sound laboratory.
- **Jonathan Davis (Innovative Screamer).** Korn’s lead singer Jonathan Davis uses his voice as a pitch-bending tool. He infuses metal yelling with rhythmic scat vocals (“ooh-ooh”), guttural screams, and yes, he even sometimes plays the **bagpipes** mid-song ¹⁴. Davis is the master of emotional, broken delivery: on one line you might hear a mournful growl, on the next a stuttering shout, then a melodic wail. In *“Freak on a Leash,”* he famously uses his voice like a drum set at times. Like Patton, Davis treats the voice as more than just notes: percussive grunts, whispered phrases, and tribal taunts all become part of his palette. He exemplifies *experimental technique*, especially in rock/rap crossover: filling gaps with tongue clicks, rapid-fire syllables, and growls.

Part 2: Explaining Vocal Techniques to a Deaf Five-Year-Old

Imagine your **throat** is like a balloon animal that you can twist and shape to make different sounds. When you talk or sing, air from your lungs goes through a tiny hole in your throat and makes the balloon vibrate, just like how guitar strings vibrate when you pluck them. To feel it, do this: put one hand gently on your **neck** right below your chin, and hum “mmmm.” You should feel a little buzz under your hand. That’s the vibration of your voice.

Now put your other hand on your **chest**, and hum a very low note like “mmmmm” again. You’ll feel a deeper vibration in your chest, a bit like a soft drum beat. That’s **chest voice** – it’s just using the low part of your voice that you even use when you talk normally. When you sing low notes, your chest helps vibrate the sound.

Next, do a funny thing: make a big smile with your mouth (show your teeth if you want). Now hum “mmmm” or “ahh” again. Notice how different it feels? Smiling lifts the roof of your mouth up, closing off the nose, so the sound feels brighter in your cheeks. You might feel the buzz move up into your face. That’s **singing through a smile** – your cheeks kind of help amplify the sound. Singers use this trick to make a **bright** happy sound. Imagine you’re letting sunlight into your throat when you smile – the sound shines out!

Now relax and make a big **monster face** (drop your jaw, pout down a little, eyes wide). Hum “mmm” or “ughh” with that face. Does your throat feel more wobbly or harder? You might feel the buzz move into

your throat more than your cheeks. That monster face gives you a **growly** or dark sound – maybe like a lion growling. Try growling like a puppy or a lion: “grrrr” or “ahhh-rgh.” You might even want to open your jaw wider and stick your tongue out a bit (like you’re saying “wah” with a really big mouth). This is the “ugly-face” technique: it feels rougher, but it can sound powerful. Rock singers use a face like this to get a tough sound, but even if you look silly doing it, it’s just a special way to shape the sound.

Let’s try another trick. Take a deep breath, put a finger under your chin to keep it down, and pant (like when you’re out of breath). Now hum quietly. Can you still hum? If yes, then try to **whisper-sing**: shape a word (like “hello”) but without your vocal cords fully touching – just blowing the air through them. It will sound very soft and airy, like you’re whispering the melody. Whisper-singing is like blowing through a straw into water – the air makes little ripples (a quiet sound). It feels like a breath, and you don’t feel much vibration because your cords aren’t fully closing. This makes a **gentle, secret-like** sound when needed.

Now, for something spooky: try doing a **fry-scream**. Make a very low croaking sound, like a frog or a creaky door at the end of a sentence: “good night...” that little “creeeaaaaak” at the end. That’s called *vocal fry*. It feels like your voice is flopping slowly. You don’t need to push much air – just let your vocal cords flop together. It’s not used a lot in singing, but some grown-ups use it at the end of talking or as a special effect.

One last exercise: put one hand on your belly (like a hug around your diaphragm, just above your belly). Now take a deep breath in so your belly pushes out (like a balloon filling up), then “sing” out a long hiss “shhhhh” like you’re pretending to be a snake, pushing the air out slowly. Your belly should come in while singing. That’s using your breath **support**, which singers do to hold long notes. It feels like pushing on the air like a balloon shrinks.

So in these ways – feeling buzz on your throat and chest, changing your mouth shape (smile vs monster), doing gentle or rough sounds – you’re learning about vocal techniques! Each different face and breath trick changes what your voice does. There’s no one “right face”; you use whatever makes the music you want. Think of it like playing dress-up: sometimes you smile for a happy song, sometimes you make a pretend monster face for a scary or powerful song. In all cases, the **feeling** in your body tells you how the sound changes. Use your eyes and hands (maybe hold your throat or chest) to feel each sound. Over time, you’ll know exactly which face and breath give you just the right buzz or boom you need.

Metaphor summary: Your voice is like a bright balloon or a drum. When you smile, it’s like opening a sunroof on that balloon – letting light (sound) shine out forward. When you pull a monster face, it’s like tilting the balloon so air goes out the bottom – it sounds deeper and rough. And when you add little tricks like whispering (a puff of air) or growling (pretend roar), your body is painting new colors on the sound. By touching your neck or chest and playing with your face, you discover *how* to get each color and volume of your singing voice.

No summary at the end, just an invitation: Now you have an open map: by moving lips, jaw, tongue, and using your breath, you can make any sound from gentle to wild. Explore each sensation and remember: all the sounds (smile-tone, frown-tone, nasal, belt, head voice, etc.) are just your body playing with the air. Footnote this page as a guide, then let your own instrument (your body) explore and create!

[^1]: *Mask resonance* is when a singer feels vibrations in the front of the face (nose/cheekbones) – a bright, focused tone. It happens when the throat is open and the soft palate is lifted, sending sound

waves forward ⁴ .

[^2]: *Twang* is a vocal setting involving narrowing the throat's epiglottic funnel, making the sound clear and ringing ³ . (It's like a slight "snarl" in the throat.)

[^3]: *Vocal fry* (fry distortion) is the lowest register, where the vocal cords vibrate very slowly and loosely, producing a creaky, popping sound ⁹ .

[^4]: *Belting* is singing in full chest voice above the normal register break. In other words, carrying your chest-register sound into higher notes ⁸ . It creates a loud, powerful tone.

[^5]: *Chest voice* refers to singing the lower part of your vocal range with a rich, full sound (felt as a chest vibration) ⁵ .

[^6]: *Head voice* is the lighter, upper part of the range where the tone feels like it resonates in the head or skull ⁶ .

¹ Normal Voice Function | Sean Parker Institute for the Voice

<https://voice.weill.cornell.edu/voice-evaluation/normal-voice-function>

² ⁴ Vocal Resonance | vocal technique

<https://vocaltechnique.co.uk/vocal-resonance/>

³ Complete Vocal Technique – Complete Vocal Institute

<https://completevocalinstitute.com/complete-vocal-technique/>

⁵ ⁶ ¹¹ ¹² Head voice vs chest voice: What's the difference? | BBC Maestro

<https://www.bbcmaestro.com/blog/head-voice-vs-chest-voice>

⁷ Using "Cry" To Hit High Notes Effortlessly

<https://www.singinginsiders.com/blog/using-cry-to-hit-high-notes-effortlessly>

⁸ Belting (music) - Wikipedia

[https://en.wikipedia.org/wiki/Belting_\(music\)](https://en.wikipedia.org/wiki/Belting_(music))

⁹ VOCAL FRY Definition & Meaning - Merriam-Webster

<https://www.merriam-webster.com/dictionary/vocal%20fry>

¹⁰ Sing! The Center For Congregational SongKaren Clark-Sheard Archives - Sing! The Center For Congregational Song

<https://congregationalsong.org/tag/karen-clark-sheard/>

¹³ Mike Patton - Wikipedia

https://en.wikipedia.org/wiki/Mike_Patton

¹⁴ Jonathan Davis - Wikipedia

https://en.wikipedia.org/wiki/Jonathan_Davis