



DR.  
SHANNON COATES  
*Voice & The Art of Teaching*

## the science of sound

what are pitch, loudness, and  
timbre? and how are they  
created by the vocal instrument?

*The Vocal Instrument 101*

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## respiration

the anatomy & physiology of  
inhalation & exhalation for  
singing (because, when you think  
about it: singing is really just a  
controlled exhalation)

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## phonation

the anatomy & physiology of what and how the vocal folds contribute to the singing sound (think: frequency, harmonic overtone series, amplitude, and a wee bit of registration (aka: "head voice" & "chest voice"))

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## resonance

how vocal tract shaping contributes to  
The Voice (and, yeah, we'll talk a wee  
bit about formants too)

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## registration

coordinating respiration, phonation,  
and resonance to create desired  
tonal outcomes throughout the entire  
pitch range of the voice and in  
multiple musical styles

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