

## Multimedia Resources for Phonetic Learning

**Acronyms:** POA: Place of articulation; MOA: Manner of articulation; IPA: International Phonetic Alphabet.  
**Clickables:** [\(video\)](#) app logos link to screen recordings of the apps being used, the iOS and Android icons link to the app's iOS or Android store page, the website icon links to the resource page if it's web-based.

### AV Phonetics [\(video\)](#)

App operates offline



- Separate tabs for consonants (by MOA and by POA).
- The following are shown for each plain consonant:
  - A still image of the spectrogram, an animation of the articulation, the audio of the sound, phoneme name & IPA symbol, written explanation of the articulation process.
- Interactive vowel chart- only plays audio.
- Glossary.
- Information pages for articulators, tones, and “others” (non-pulmonic, suprasegmentals, diacritics, and other symbols).
- Parachute game -- A parachute game is one where items drop down from the top of the game window and the player has to select the correct item based on a prompt. In the case of this app, symbols drop while the sound plays on repeat until the player presses the correct symbol.

### iPA Phonetics [\(video\)](#)

App operates offline



- Interactive IPA chart.
  - Plays sound audio and an optional video of a human producing the sound with different views:
    - A front-view of the mouth for non-epiglottal and glottal sounds,
    - Laryngeal view (using a laryngoscope) for epiglottal and glottal sounds, and ultrasound imaging.
- “Play Random” Quiz that plays sounds at random and the person has to select the correct symbol. Hints are offered using a “Hint” button.
- Slider to control playback speed.
- “Voice Qualities” tab with:
  - an interactive Anatomy image with audio examples of sounds associated with each POA,
  - Examples of sounds associated with different phonation types.

### UVic - Multimedia IPA Chart [\(video\)](#)

Uses Quicktime Player



- Interactive IPA chart:
  - When a sound is clicked on, audio is played for each consonant, vowels, and other symbols.
  - Plays examples of sounds associated with tones and diacritics.
- Shows the name of the sound at the bottom of the screen.
- Clickable headers with long explanations of its contents e.g. for “Plosives”, what a plosive is, examples of plosives.

### Glossika Phonics - YouTube Channel



Individual video for a wide range of plain phonemes and phonemes with distinctive features:

- Plays the audio while showing the IPA symbol and name of sound,
- Shows list of features and an animation (side-view) of the articulation process, then front-view,
- Provides example words from different languages.

## eNunciate ([video](#))



- [Sounds of the World's Languages](#) page includes a tutorial for interpreting the IPA chart and an explanation of its purpose.
- [Consonants](#) and [Vowels](#) pages contain the consonants and vowels sections of the IPA chart respectively, with North American English sounds highlighted. Each sound can be selected to take the viewer to another page with a written description of the sound and 2 videos side-by-side: a side-view of a human producing the sound with an overlaid ultrasound image of the tongue (contains audio), an animation of the articulation process with airflow (omits audio), and 2 examples of words with audio.
- [Consonants - Alternative Airways](#) page contains the Consonants (Non-Pulmonic) section of the IPA chart. Each sound can be selected to take the viewer to another page with a written description of the sound and a side-view of a human producing the sound with an overlaid ultrasound image of the tongue (contains audio) and a list of languages containing the sound.

## Phonetics Terminology - Languagegeek



Glossary of phonetics terminology.  
Listed on the First Voices [Resources](#) page.

## English Pronunciation IPA ([video](#))

App operates offline



Contains a table of English vowels, diphthongs and consonants.

Selecting a sound takes the viewer to a new tab with sections containing:

- A written description of the articulation process, an example word spelled in plain English and with IPA and contains buttons for audio of the sound and of the example word.
- An audio playback button for an example word and another to record speech.
- Discrimination tasks - select the odd word out of four words.
- Type a word in plain English, provided audio of an example word and the IPA transcription.

## Say It English Pronunciation ([video](#))

App operates offline



This app is for accent training of North American and British English.

Contains a dictionary. When a word is selected, a page will appear with an audio button to play the word, and another to record speech. When the speech has been recorded, two waveforms are presented for the database audio and recording and audio can be played back for each.

## References

- Harvey, C. (2011, July 13). *Phonetic Terminology*. Phonetic Terminology Guide.  
<http://www.languagegeek.com/roman/phonetics.html>.
- HKBU ARC. (2019). AV Phonetics (2.1.6). [Mobile application software].
- John Esling. (2019). iPA Phonetics (2.6). [Mobile application software].
- Petter Scott. (2019). English Pronunciation IPA (3.1). [Mobile application software].
- Phona Ltd. (2020). Say It: English Pronunciation (2.2.2). [Mobile application software].
- University of British Columbia. (2020). *Home: eNunciate!*. University of British Columbia Arts  
<https://enunciate.arts.ubc.ca/>.
- University of Victoria. (2020). *Multimedia IPA chart*. University of Victoria Department of Linguistics.  
<http://web.uvic.ca/ling/data/IPA/lab/IPA/lab.html>
- YouTube. (2016). *Glossika Phonics*. YouTube. <https://www.youtube.com/GlossikaPhonics/>.