



SLP PRAXIS STUDY GUIDE

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ACUSTIC THEORY OF SOUND PRODUCTION

SOUND SOURCE → **FILTER** → **SPEECH SOUNDS**

Source	Filter	Speech Sound
Vocal Cords	Vocal Tract	Vowels
Vocal Cords	Vocal Tract	Consonants
Vocal Cords	Vocal Tract	Speech Sounds

Classification: Vowels

Classification	Examples
Front	IPA: [i], [e], [æ]
Central	IPA: [ɜ], [ɹ]
Back	IPA: [u], [o], [ɔ], [ɑ]

Classification: Consonants

Classification	Examples
Plosive	IPA: [p], [b], [t], [d], [k], [g]
Fricative	IPA: [f], [v], [s], [z], [ʃ], [ʒ], [h], [x]
Nasal	IPA: [m], [n], [ɳ]
Liquids	IPA: [l], [r]

LANGUAGE DEVELOPMENT

RECEPTIVE LANGUAGE vs **EXPRESSIVE LANGUAGE**

Receptive Language	Expressive Language
Understanding spoken language	Producing spoken language
Understanding written language	Producing written language
Understanding non-verbal communication	Producing non-verbal communication

Form

- Phonology
- Morphology
- Syntax

Content

- Vocabulary
- Pragmatics

Use

- Fluency
- Comprehension

Technology | **Diagnosis** | **Assessment** | **Intervention**

ANATOMY OF THE SPEECH APPARATUS

Speech Sounds

Sound	Place of Articulation	Manner of Articulation
Plosive	Labial, Alveolar, Velar	Stop
Fricative	Labial, Alveolar, Postalveolar, Velar, Glottal	Continuant
Nasal	Labial, Alveolar, Velar	Stop

Praxis 2 Study Guide

DJ Losen



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web fermat s last theorem also known as fermat s conjecture or wiles theorem states that no three positive integers x y z x y z satisfy $x^n + y^n = z^n$ for any integer $n > 2$ although a special case for $n = 4$ was proven by fermat himself using infinite descent and fermat famously wrote in the margin of one of his books in

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web this theorem showed that the area of a pythagorean triangle having integral sides cannot be a square integer this theorem leads to the proof of fermat s last theorem for the case $n = 4$ that is $x^4 + y^4 = z^4$ has no solutions fermat claimed to be able to prove the conjecture for $n = 3$ but published no proof

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web jun 23 2022 according to fermat s last theorem no three positive integers a b c satisfy the equation for any integer value of n greater than 2 for $n = 1$ and $n = 2$ the equation have infinitely many solutions some solutions for $n = 1$ are 2 3 5 7 13 20 5 6 11 10 9 19 some solutions for $n = 2$ are $c^2 = a^2 + b^2$

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web fermat s last theorem is a theorem first proposed by fermat in the form of a note scribbled in the margin of his copy of the ancient greek text arithmetica by diophantus the scribbled note was discovered posthumously and the original is now lost

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fermat wrote i have discovered a truly remarkable proof which this margin is too small to contain fermat almost certainly wrote the marginal note around 1630 when he first studied diophantus s arithmetica

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