

*Enhance English Pronunciation  
with Effective AI Tools to Better  
Communicate as Global Citizens*

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# English Speaking

**CHALLENGES?**

**PRACTICAL SOLUTIONS?**

# Challenges & Solutions

## Challenges

- Fossilized Mistakes
- Lack of Practice
- Improve Speaking:
  - *Fluency (EFL & ESL)*
  - Accuracy (EFL)

## Practical Solutions

- Electronic Readers
- Read Aloud / Audio Recordings
- YouTube Channel:

*Dr. Hanadi Mirza*

*24 videos → Pronunciation Rules*



## FIX the Pronunciation of French Borrowe...

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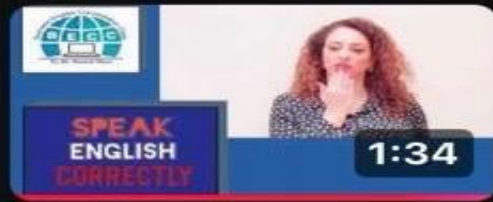
## FIX the Pronunciation of English Unstress...

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# English Pronunciation and Future Teachers

- Future Elementary Teachers Struggle with Pronunciation.

- Profession Requirements:

-Read Stories Aloud to Young Learners

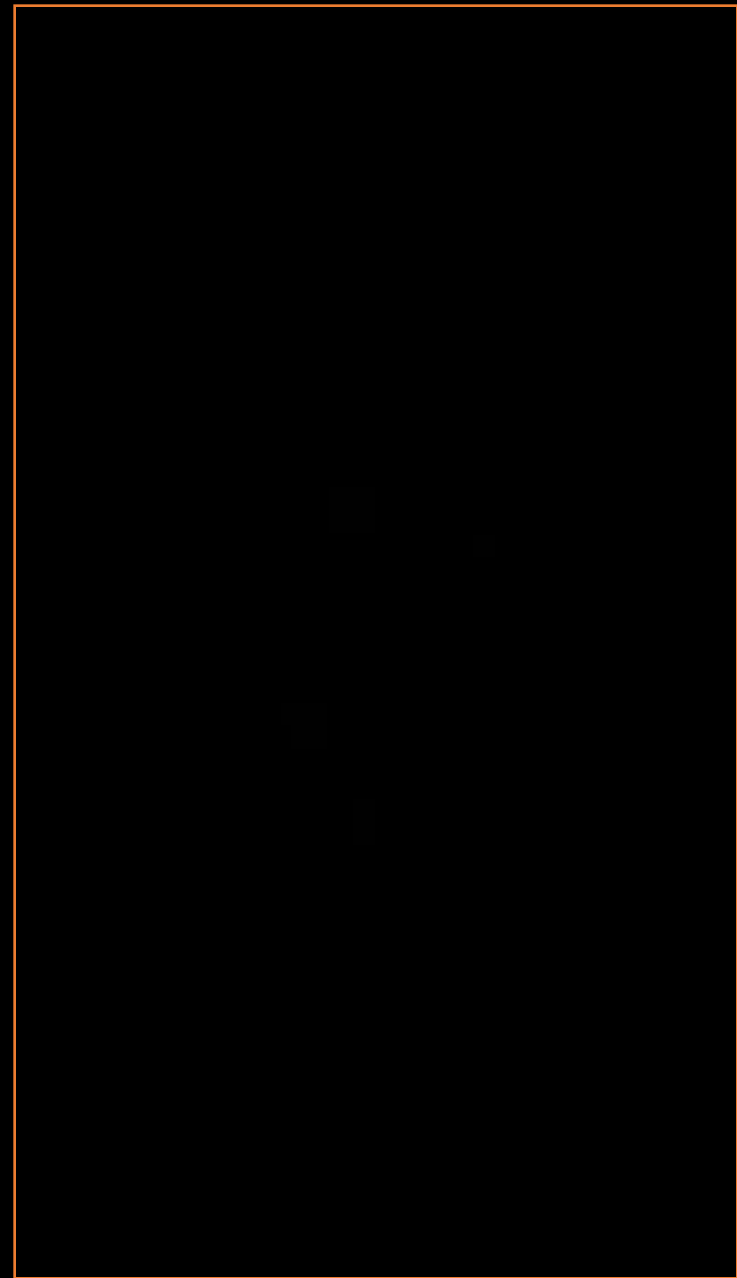
- Use English as Medium of Instruction

*\*\*FIX Pronunciation + AI Tools:*

→ Effective Communication → Global Citizenship

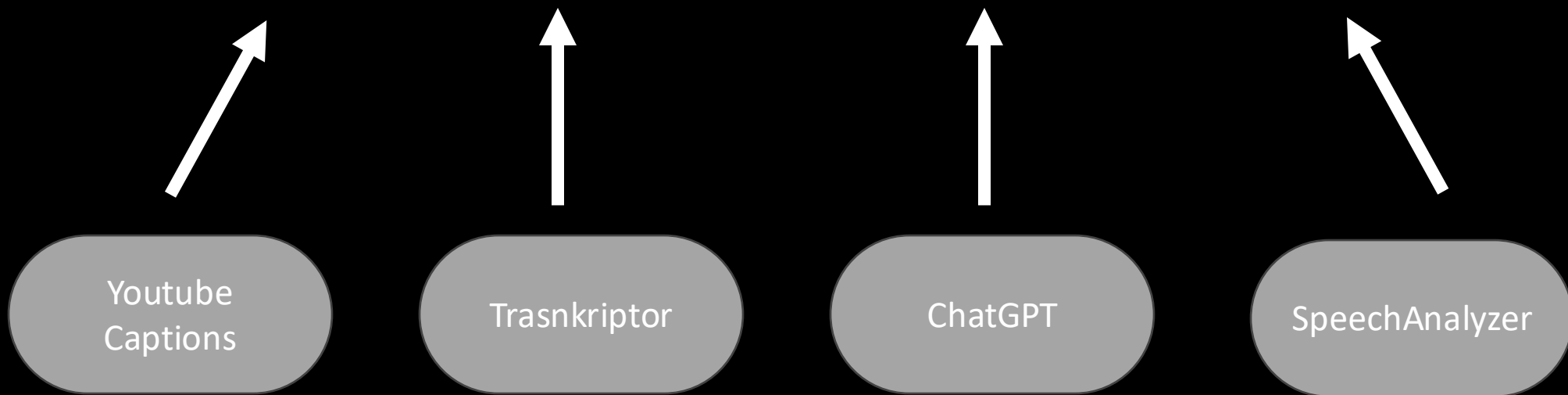
→ Language Modeling to Students

# Poor Pronunciation

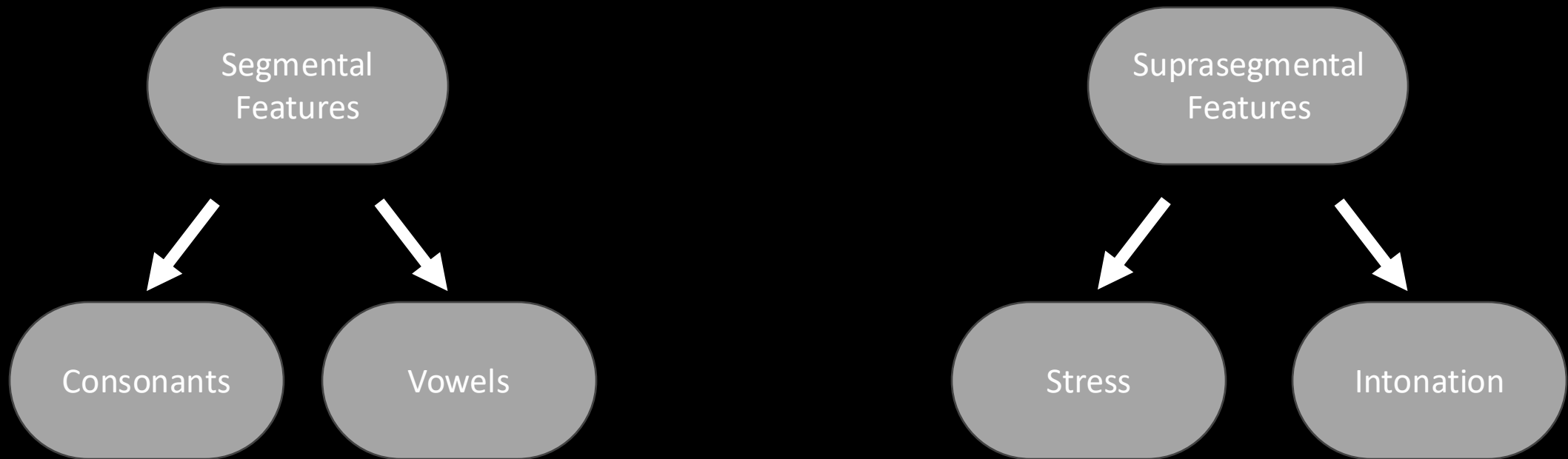


# Speech to Text Using AI

Sentence: "The little girl is playing with three of her friends with a red doll near her neighbor's house"



# Pronunciation



# English Pronunciation

**How often?**

**Focus :**

**Segmental / Suprasegmental Features?**

# The 5 Elements of Reading

- **1- Phonemic Awareness**
- **2- Phonics**
- **3- Vocabulary**
- **4- Comprehension**
- **5- Fluency**

# Reading Comp. (Cycles 1, 2, & 3)

## 1- PRE-Reading Stage

- Warm-up (*Discussion*)
- Pre-Teach Vocab
- Predict Story from Title/Pictures

## 2- DURING Reading Stage (*Silent Reading*)

- Answer Factual *THEN* Analytical Questions
- Fill in the Story Map / Chart/ Table....

## 3- POST-Reading Stage

- Summarize the Story / Text
  - *Read Aloud / Act Out*
- Pronunciation + Intonation
- Connect: R-W / R-S / R- Drawing / ....

# The Missing Doll

Jane was very sad. She could not find her doll. Where is she? Did you see my doll? Her mom said, "Look in your room. Maybe your doll is there." Jane looked in her room. It was a terrible mess. She started to clean her room. She put all the books on the shelf. She put her blankets on her bed. She picked up her clothes off the floor. "I found her," Jane said. "My doll was hiding under my clothes. I think she was playing hide and seek." Jane put her doll in the dollhouse. Her room was clean, and now it was time to play.

# English Stress & Intonation

STRESS → Helps Understand the Speaker

A- Dollhouse / Pronunciation / Presenter / Object

B- Intonation / Present / Communicate / Terrible

INTONATION → Makes Meaning:

Jane was very sad.

Where is she? / Did you see my doll?

The orange cups and plates were in the silver sink.

Mike loves Sally more than Bella.

# Difficult English Sounds

1- Interdental Sounds: They – Think

2- The book / the apple (The + C / The + V)

3- a book / an apple

4- Her / Girl / Person

5- Schwa: Teacher / Animal / Passion

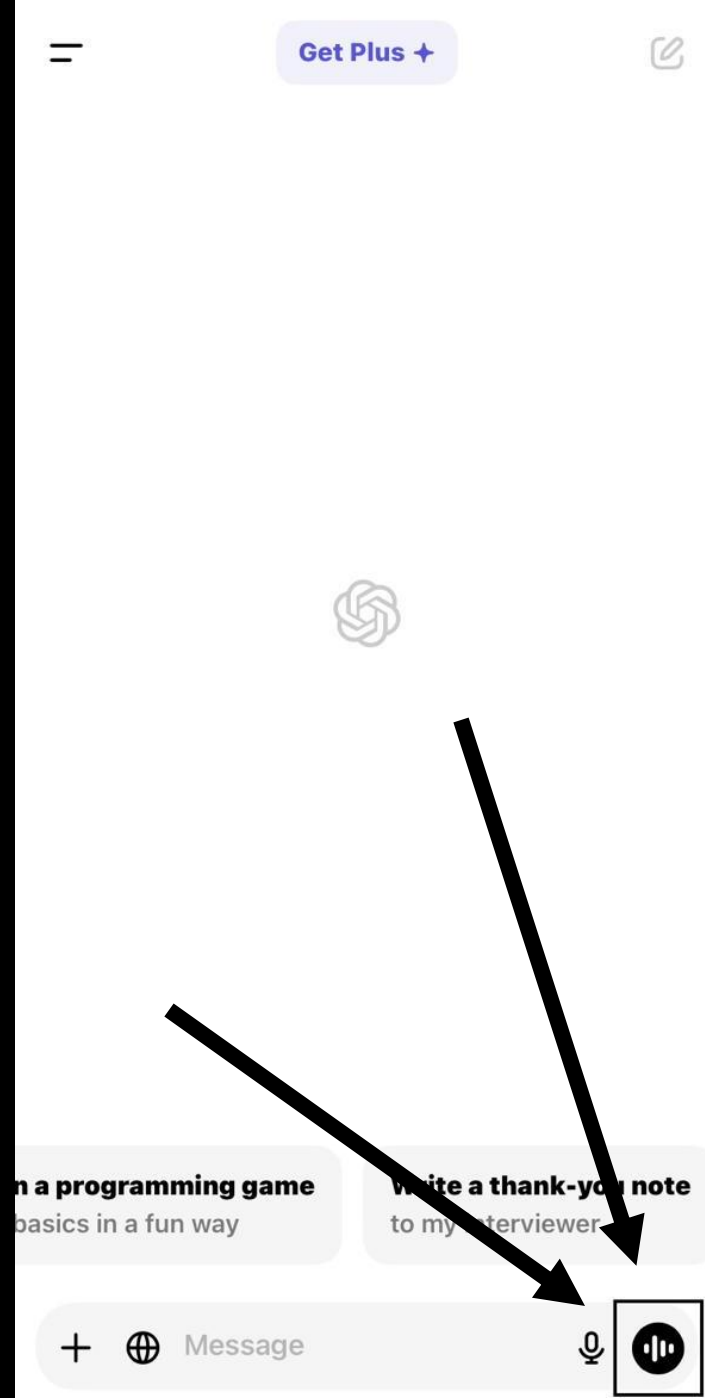
# Using AI-Tools in EFL Classes

- **Step 1: Pretest (Story 1):**  
Audio recording (Story 1: *Playground*)
- + SpeechAnalyzer to detect unclear words
- **Step 2: Targeted Feedback:**  
Difficult English sounds - Stress patterns - Intonation
- **Step 3: ChatGPT Integration:**  
Prompting ChatGPT

# (Cont')

- **Step 4: Posttest (Story 2: *The Missing Doll*)**
- **Audio recording of Story 2**
- **Screenshots of conversation with ChatGPT**
- **Screenshots of performance on *SpeechAnalyzer*:  
Pauses, missing, and misread words**
  
- **Step 5: Delayed Posttest (Story 3: *Sandy's Big Adventure*)**  
→ Repeat Step 4, but with Story 3
  
- **Step 6: Feedback and Reflection:**  
Survey including closed-ended and open-ended questions

# ChatGPT Voice Mode



# Prompting ChatGPT Effectively

- Am I stressing the right syllable in this word?

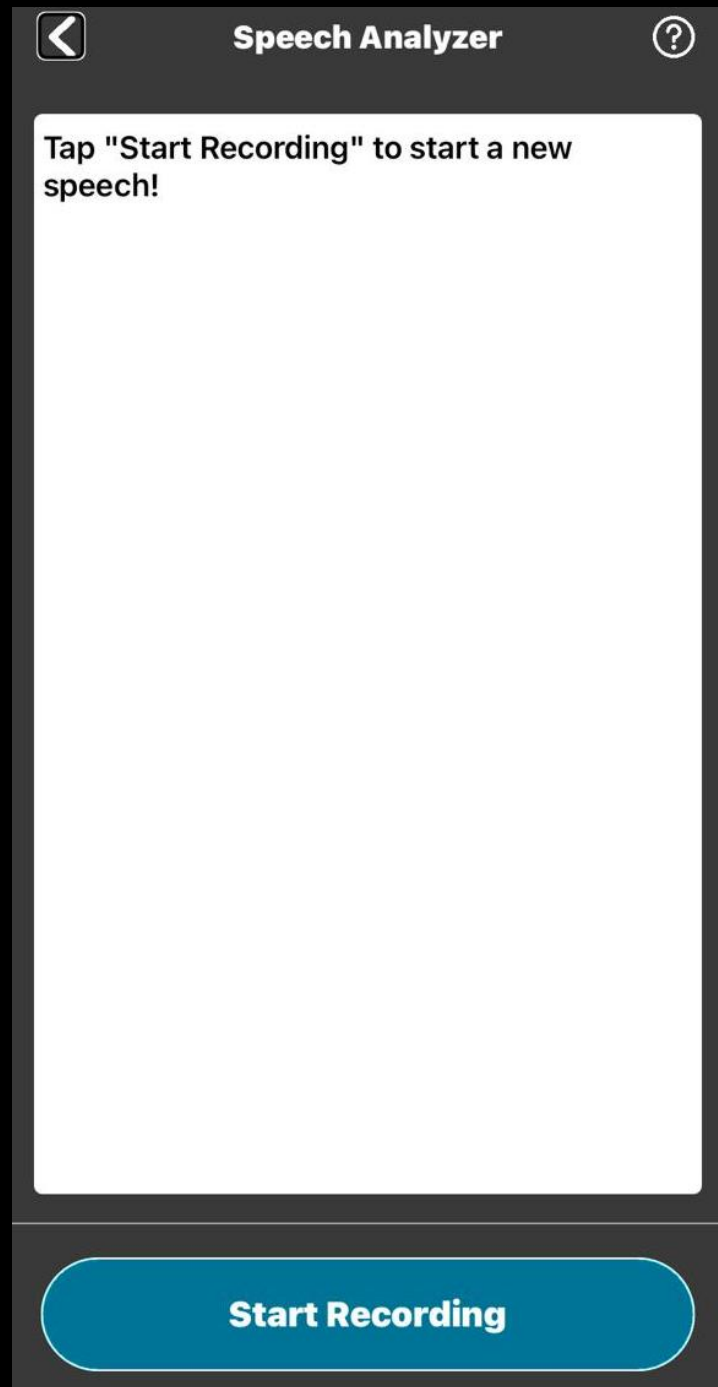
- Can you check my pronunciation of these words/phrases according to American English?
- How do I read this sentence correctly?

:What is the correct intonation for this sentence?

Should my tone rise or fall at the end of this question?

- How can I pronounce “the boy” and “the apple” correctly? Explain the rule.

# Speech Analyzer



# Sample Student 1

Hello my name is David away and I'm going to read the\*story the missing dog Jane was very sad she could not find her dog her mom said look in your room maybe your dolls there Jean looked in her room it was a terrible mess she started to clean her room she put all the books on the shelf she put her blankets on her bed she picked up her clothes off the floor I found her Jean said my daughter was hiding under my clothes I think she was playing hide and seek in the dollhouse hair room was clean and now it was time to pee hello

## Pause duration

Silent seconds between words  
Baseline: 0.4 seconds



## Words per minute

Average number of words spoken per minute  
Baseline: 150 words/minute



**Pronunciation**

*Segmental*

*Suprasegmental*

**ChatGPT & SpeechAnalyzer (AI-tools)**

**+**

**Human Instruction**

**Global Communication**

**Global Citizenship**

# Contact Information

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