Voicing of ED and ES suffixes in English

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **IPA** | **-ed** |  |  | **-s/-es** |  |  |
| **unvoiced** |  |  |  |  |  |  |  |
| **plosives** |  |  |  |  |  |  |  |
| p – hope | p | hoped | t | /həwpt/ | hopes | s | /həwps/ |
| t – vote | t | voted | ɪd | /vəwt.ɪd/ | votes | s | /vəwts/ |
| ch – watch | ʧ | watched | t | /wɔʧt/ | watches | ɪz | /wɔʧ.ɪz/ |
| k – like | k | liked | t | /lɑjkt/ | likes | s | /lɑjks/ |
| **fricatives** |  |  |  |  |  |  |  |
| f – cough | f | coughed | t | /kɔft/ | coughs | s | /cɔfs/ |
| θ – math | θ | mathed\* | t | /maθt/ | maths | s | /maθs/ |
| s – miss | s | missed | t | /mɪst/ | misses | ɪz | /ˈmɪs.ɪz/ |
| sh – wash | ʃ | washed | t | /wɔʃt/ | washes | ɪz | /ˈwɔʃ.ɪz/ |
|  |  |  |  |  |  |  |  |
| **voiced** |  | **-ed** |  |  | **-s/-es** |  |  |
| **plosives** |  |  |  |  |  |  |  |
| b – rob | b | robbed | d | /rɔbd/ | robs | z | /ɹɔbz/ |
| d – shade | d | shaded | ɪd | /ʃɛjd.ɪd/ | shades | z | /ʃɛjdz/ |
| j – bridge | ʤ | bridged | d | /brɪʤd/ | bridges | ɪz | /ˈbɹɪʤ.ɪz/ |
| g – bag | ɡ | bagged | d | /baɡd/ | bags | z | /baɡz/ |
| **fricatives** |  |  |  |  |  |  |  |
| v – brave | v | braved | d | /bɹɛjvd/ | braves | z | /bɹɛjvz/ |
| th – breathe | ð | breathed | d | /brɪjðd/ | breathes | z | /bɹɪjðz/ |
| z – raze | z | razed | d | /rɛjzd/ | razes | ɪz | /ˈɹɛjz.ɪz/ |
| zh – sabotage | ʒ | sabotaged | d | /ˈsa.bə.tɑː.ʒd/ | sabotages | ɪz | /ˈsa.bə.tɑː.ʒɪz/ |
| **nasals** |  |  |  |  |  |  |  |
| m – blame | m | blamed | d | /blɛjmd/ | blames | z | /blɛjmz/ |
| n – feign | n | feigned | d | /fɛjnd/ | feigns | z | /fɛjnz/ |
| ng – hang | ŋ | hanged | d | /haŋd/ | sings | z | /sɪŋz/ |
| **liquids & vowels** |  |  |  |  |  |  |  |
| l – mail | ɫ | mailed | d | /mɛjɫd/ | mails | z | /mɛjɫz/ |
| r – bar | ɹ | barred | d | /bɑɹd/ | bars | z | /bɑɹz/ |
| w – mow | w | mowed | d | /məwd/ | mows | z | /məwz/ |
| y – stray | j | strayed | d | /sʧɹɛjd/ | strays | z | /sʧɹɛjz/ |

*Remember to always practise pronouncing words with a vowel before and after!*

# Pattern

1. Voicing of suffix follows voicing of final sound.
2. Exceptions when suffix is too close to final sound:
   1. -ed is **/ɪd/** after final /t/ and final /d/.
   2. -s/es is **/ɪz/** after final /s, z, ʃ, ʒ, ʧ, ʤ/.
3. ⟨f⟩ usually changes to ⟨v⟩. ⟨th⟩ /θ/ usually changes to /ð/.