Voicing of ED and ES suffixes in English [v2]

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Usage →*** | *Past participle verbs, Adjectives* | | | | *Third-person singular verbs, Plurals, Possessive S.* | | | |
| **plosives** | **-ed** |  |  |  | **-s/-es** |  |  |  |
| p – hope | hoped | p | t | /həw**pt**/ | hopes | p | s | /həw**ps**/ |
| b – rob | robbed | b | d | /rɔ**bd**/ | robs | b | z | /ɹɔ**bz**/ |
| t – vote | voted | t | ɪd | /vəw**t.ɪd**/ | votes | t | s | /vəw**ts**/ |
| d – shade | shaded | d | ɪd | /ʃɛj**d.ɪd**/ | shades | d | z | /ʃɛj**dz**/ |
| ch – watch | watched | ʧ | t | /wɔ**ʧt**/ | watches | ʧ | ɪz | /wɔ**ʧ.ɪz**/ |
| j – bridge | bridged | ʤ | d | /brɪ**ʤd**/ | bridges | ʤ | ɪz | /ˈbɹɪ**ʤ.ɪz**/ |
| k – like | liked | k | t | /lɑj**kt**/ | likes | k | s | /lɑj**ks**/ |
| g – bag | bagged | ɡ | d | /ba**ɡd**/ | bags | ɡ | z | /ba**ɡz**/ |
| **fricatives** | **-ed** |  |  |  | **-s/-es** |  |  |  |
| f – cough | coughed | f | t | /kɔ**ft**/ | coughs | f | s | /cɔ**fs**/ |
| v – brave | braved | v | d | /bɹɛj**vd**/ | braves | v | z | /bɹɛj**vz**/ |
| θ – math | mathed\* | θ | t | /ma**θt**/ | maths | θ | s | /ma**θs**/ |
| th – breathe | breathed | ð | d | /brɪj**ðd**/ | breathes | ð | z | /bɹɪj**ðz**/ |
| s – miss | missed | s | t | /mɪ**st**/ | misses | s | ɪz | /ˈmɪ**s.ɪz**/ |
| z – raze | razed | z | d | /rɛj**zd**/ | razes | z | ɪz | /ˈɹɛj**z.ɪz**/ |
| sh – wash | washed | ʃ | t | /wɔ**ʃt**/ | washes | ʃ | ɪz | /ˈwɔ**ʃ.ɪz**/ |
| zh – collage | collages | ʒ | d | /ˈcɔ.lɑː**ʒd**/ | collages | ʒ | ɪz | /ˈcɔ.lɑː**ʒ.ɪz**/ |
|  |  |  |  |  |  |  |  |  |
| **nasals** | **-ed** |  |  |  | **-s/-es** |  |  |  |
| m – blame | blamed | m | d | /blɛj**md**/ | blames | m | z | /blɛj**mz**/ |
| n – feign | feigned | n | d | /fɛj**nd**/ | feigns | n | z | /fɛj**nz**/ |
| ng – hang | hanged | ŋ | d | /ha**ŋd**/ | hangs | ŋ | z | /ha**ŋz**/ |
| **liquids & vowels** | **-ed** |  |  |  | **-s/-es** |  |  |  |
| l – mail | mailed | ɫ | d | /mɛj**ɫd**/ | mails | ɫ | z | /mɛj**ɫz**/ |
| r – bar | barred | ɹ | d | /bɑ**ɹd**/ | bars | ɹ | z | /bɑ**ɹz**/ |
| w – mow | mowed | w | d | /mə**wd**/ | mows | w | z | /mə**wz**/ |
| y – stray | strayed | j | d | /sʧɹɛ**jd**/ | strays | j | z | /sʧɹɛ**jz**/ |

*Dark rows are unvoiced final sound, light rows are voiced final sound. Red shows exceptions.*

*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/.