

English

Hmong

**Main Idea** 4 PS 1.c 4 PS 1.d  
 An electric current produces a magnetic field. Electromagnets are used in many common household items.

**Niam Tswvyim**  
 4 PS 1.c 4 PS 1.d  
 Ib nthwv hluavtaws xob tsim ib daim ntxaij hlau nplaum. Tej cov plawv hlau nplaum muaj siv hauv ntau hom twj tom tsev.



An **electric current** flowing through a wire produces a **magnetic field** around the wire. (pp. 342–343)

Ib nthwv hluavtaws xob khiav raws ib txoj sab tsim ib daim **ntxaij hlau nplaum** ncig txoj sab ntawd. (pp. 342–343)



Electromagnets are used in **loudspeakers** to make sound. (pp. 344–345)

Cov plawv hlau nplaum muaj siv hauv cov **paj taub suab loj** kom muaj suab tawm. (pp. 344–345)



Electromagnets are used in many household **appliances and toys**. (p. 346)

Cov plawv hlau nplaum muaj siv rau ntau hom **twj thiab khoom uasi** tom tsev. (p. 346)