Use small permanent magnets mounted between plexiglas sheets 9” square. Three different arrangements of magnets are provided.

Place the overhead projector in front of the lecture table, as far from the table as possible and still keep the rolling cart on the level portion of the floor. Place the magnet mounting on the horizontal, lighted table of the projector, and focus on screen. (See Note.) Sprinkle iron filings on the plexiglas sheet, possibly tapping the sheet lightly, until filings arrange themselves into an obvious pattern. In this manner, show the magnetic field distribution about: (1) A single magnet; (2) Two parallel magnets, side by side, with like poles pointing in opposite directions; (3) Two parallel magnets, side by side, with like poles pointing in the same direction.

Note: A rag is provided to facilitate removal of iron filings from the plexiglas plate.

WARNING: It is advisable that your watch should never be real close to the magnets.