The presented work deals with DC electric motors in physics teaching. Its first part contains a theoretical basis, followed by an overview of study materials, physics textbooks and selection from professional literature in which this topic is included. The practical part consists of four sections. The first deals with simple electric motors that are easy to apply in physics classes at both primary and secondary schools. The second part compares two commutator electric motor kits. The third part presents an applet that illustrates the principle of operation of a DC electric motor with an armature consisting of three coils. At the end of the practical part, the school measurement on an electric motor assembled from one of the compared kits is described and processed.