The work is dedicated to the ways of developement of the key competencies of learners within methodes of Montessori pedagogy. The first part is concentrated on the evaluation of the current level of knowledge including the key competencies and Montessori pedagogy with its methodes. In the second part the work deals with a theoretical background to accomplish a research in the empiric kind of way, where we find the focal point of this entire work. The practical part of the work analyses the different approaches of two selected elementary Montessori schools to the developement of the key competencies within the applied methodes of teaching. The closing part of the work is dedicated to the evaluation of the used methodes in relation to the key competencies and it also pursues the comparison of ways of use of the developement of the key competencies at these two selected elementary schools.