Objective: Depending on the fact that team sports are characteristic of many performance features, the fact that many features are applied by being combined in exercises is important in terms of performance development. The purpose of this study is to investigate the effects of combined training applied during the competition period on the strength and technical characteristics of 12-14 age group and baller children. Methods: 28 male students studying at elementary schools participated in the study. Two groups were formed. For the first group (n=14) combined training group; mean age was 12 ± 8.0 years, length was 153 ± 9.3 cm, body weight was 46 ± 7.97 kg, and for the second group (n=14) was normal training group; age 12 ± 6.9 years, length 154 ± 8.55 cm and body weight 43 ± 8.41 kg. One-repetition maximum (1RM) test and dynamic-static force tests within the scope of the force tests and HENTTEK, within these scope of the technical tests, were performed. The first group of combined training sessions was performed in 8 weeks, 5 days in a week, and 1.5 hours in a day, for both groups, while normal training was performed in the second group. Tests before and after the competition period was carried out for both groups participating in the study. Paired t test and Independent t test were performed to determine the differences as statistical procedures. Results: A significant difference was found between such combined training group force tests as 1RM shoulder press, leg extension, triceps press down, leg press, leg curl, chest press, lat pull, gripping with right hand, force, gripping with left hand, and in the push-up, shuttle test, HENTTEK technical test (snap pass, dribbling 1,slalom, dribbling 2, jump shooting1, jump shooting 2,basic pass, defense, cheating, technical test times) and such normal training group force tests as shoulder press, leg extension, triceps press down, leg press, leg curl, chest press, latpull, and in the push-up, shuttle test, HENTTEK technical test (dribbling 1,slalom,jump shooting1, jump shooting 2,basic pass, defense, cheating, technical test times) (p< .05). Conclusion: Based on the results we obtained, it was determined that Combined Technical Training provides a significant improvement in terms of strength and technical development. In addition, it was also concluded that the handball analysis program (HENTTEK), which we developed in determining the technical tests of handball players, can be used practically in field conditions. Key Words: Handball, combined training, force.