While the top quark was discovered in 1995 at the Fermilab Tevatron, a decade later we still have a very little information about it. With Run II of Tevatron well underway, we have the opportunity to study top quark properties with much better sensitivity, and to test whether top quarks behave as predicted by current theories. In this seminar I will present an overview of top physics at CDF, giving particular emphasis to the latest results obtained with 700pb-1 of integrated luminosity. With such a sample we have been able to greatly improve the precision on the top mass measurement and to set limits on non standard top properties, single top production, and top-top resonances. I will also discuss how these measurements will evolve with the larger data sample we expect to collect in the next few years.