

**Object Disappearance Rules and Its Applications/Misconceptions****Engin Baysen***Near East University, Atatürk Education Faculty, Near East Blv. Nicosia,  
North Cyprus, Mersin 10 Turkey  
E-mail: engin.baysen@neu.edu.tr***KEYWORDS** Astronomy Disappearance Rules. Early Childhood. Misconceptions. Teacher Candidates

**ABSTRACT** This study aims to examine early childhood teacher candidates' rules governing the object disappearance phenomenon, including the three dimensions involved in disappearance considering teacher candidates' reasoning. The objective is to find if any relationship can be established between teacher candidates' theoretical disappearance rules and actual disappearance rule applications and misconceptions. Both theoretical construction(s) and a variety of applications concerning selected astronomy-related phenomena were considered as part of the study. The survey research design was utilized. Two hundred Turkish early childhood teacher candidates participated in the study. Teacher candidates demonstrated a tendency to explain the disappearance phenomenon utilizing fewer dimensions but their explanations were functional. They erroneously utilized scientific rules to interpret phenomena, incorrectly matching rules to the appropriate phenomenon because they lacked the necessary scientific knowledge concerning that phenomenon, thus creating misconceptions. Misconceptions were sustained by disappearance rules forming an integrated firm mental construction.