Geology of the National Parks (GNP) is an online introductory-level geology course for non-science majors designed to teach geology in a succession of exercises by capitalizing on student interest in parks where geologic features and histories are so well displayed. In the past, most exercises involved virtual field trips and included writing assignments addressing specific questions about the trip. Currently, GNP is being overhauled to bolster the quantitative literacy dimension and gear more towards environmental geology by aligning with the National Park Service Natural Resource Challenge through a series of quantitative exercises using data collected at the parks. The exercises are presented in a Spreadsheets Across the Curriculum module in which students work with unit conversions, percent increase, ratios, probability, recurrence intervals, and other foundation mathematics using the given data. To date, 21 modules have been developed incorporating data collected by researchers and made available through eight National Park Service Research Learning Centers.