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Colleen G. Livingston* (livingston@bemidjistate.edu), Bemidji State University, Mathematics, 1500 Birchmont Dr., Bemidji, MN 56601. *Statistical Experiments in the Natural Sciences*. Preliminary report.

This talk describes a project manual for use in an Applied Statistics course comprised primarily of students in the life sciences. The manual, titled "Statistical Experiments in the Natural Sciences", is being developed by the presenter and two undergraduate students. Projects requiring data collection and analysis, along with projects using data from published papers in the biological sciences are included in the manual. The statistical analysis focuses on hypothesis testing and confidence intervals, along with the associated exploratory data analysis. This project is funded by the Bush Foundation through a Learning by Doing Program grant from the Minnesota State Colleges and Universities system. (Received September 11, 2000)