Plan Overview

A Data Management Plan created using DMP Tool

Title: TALES

Creator: Chad Fifer

Affiliation: Non Partner Institution

Principal Investigator: Chad Fifer

Data Manager: Chad Fifer

Funder: National Science Foundation (nsf.gov)

Funding opportunity number: 4040-0001

Template: NSF-EHR: Education and Human Resources

Last modified: 07-01-2024

Copyright information:

TALES

Data generated by the project

The Data Management Plan should describe the types of data, samples, physical collections, software, curriculum materials, or other materials generated by your project. Any data collection required by the program announcement should be incorporated into the proposal's Data Management Plan. For example, the management of assessment, evaluation, or monitoring data required for all projects within a given program should be addressed in the data management plan. Describe your plan for managing the data.

Data will be collected on the gains of participating students in attitude, knowledge, and behavior as it relates to informal science learning and biology.

The project will use a collaborative, design-based implementation research (DBIR) approach to develop and continuously improve the TALES project. DBIR has four key principles: 1) focus on a persistent problem of practice, 2) a commitment to collaborative, iterative design, 3) development of theory and knowledge related to both learning and implementation using systematic inquiry, and 4) development of capacity for change in systems. Through prior work, collaborations, and discussions the stakeholders for this project identified the relevance of science instruction to students lives, students' lack of access to real-world problems, and lack of authentic scientist role models as persistent problems of practice that contribute to the dearth of student achievement in science and pursuit of science careers.

Period of data retention

EHR is committed to timely and rapid data distribution. However, it recognizes that types of data can vary widely and that acceptable norms also vary by scientific discipline. It is strongly committed, however, to the underlying principle of timely access, and applicants should address how this will be met in their Data Management Plan.

The research data from this project will be kept within a digital repository of the Center for Advancement of Informal Science Education to ensure that the research community has long-term access to the data. Digital data will also be accessible through Nashville Zoo, Vanderbilt University, and The Evaluation Learning Research Center at Purdue University's College of Education. This proposed plan leverages the capabilities of archival staff at each institution.

Data format and dissemination

The Data Management Plan should describe data formats, media, and dissemination approaches that will be used to make data and metadata available to others. Policies for public access and sharing should be described, including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights or requirements. Research centers and major partnerships with industry or other user

communities must also address how data are to be shared and managed with partners, center members, and other major stakeholders. Data on EHR projects involving human subjects should be made available to the public subject to constraints imposed by IRB decisions. Other data, such as software, publications, and curricula, should be made available subject to intellectual property rights.

Question not answered.

Data storage and preservation of access

The Data Management Plan should describe physical and cyber resources and facilities that will be used for the effective preservation and storage of research data. These can include third party facilities and repositories.

Question not answered.

Additional possible data management requirements

More stringent data management requirements may be specified in particular NSF solicitations or result from local policies and best practices at the PI's home institution. Additional requirements will be specified in the program solicitation and award conditions. Principal Investigators to be supported by such programs must discuss how they will meet these additional requirements in their Data Management Plans.

Question not answered.