Plan Overview

A Data Management Plan created using DMP Tool

Title: TIER

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Principal Investigator: Graham Walker

Data Manager: Graham Walker

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Copyright information:

TIER

Roles and responsibilities

The Data Management Plan should clearly articulate how the PI and co-PIs plan to manage and disseminate data generated by the project. The plan should outline the rights and obligations of all parties as to their roles and responsibilities in the management and retention of research data, and consider changes that would occur should a PI or co-PI leave the institution or project. Any costs should be explained in the Budget Justification pages.

Principal Investigator (Parisa Saboori)

The PI will organized the collection of the data that will be used to evaluate the program. The data will be collected from teachers, the students at the teachers school, and the test performance data from the schools in question. The PI will also overseen the disemination of the data and the analysis of the data via journal and conference publications, and via New York City Department of Eduction venues.

Co-Principal Investigator (Graham Walker)

The co-PI will assist the PI in the collection, management and dissemination of the data.

Evaluator (Ann Mary Jacobs)

The evaluator will analyze the raw data to determine the degree to which the program is effective, and will be responsible to pass the information on to the PI and co-PI.

Director of Institutional Research (David Mahan)

The Director of Institutional Research will oversee the storing and maintenance of the project's raw data and analyzed data.

All parties will have access to the stored materials at all times, and the role of Director of Institutional Research will always be the gatekeeper to the data no matter who holds this possition.

Types of data

The Data Management Plan should describe the types of data, samples, physical collections, software, curriculum materials, or other materials to be produced in the course of the project. It should then describe the expected types of data to be retained and shared, and the plans for doing so. The DMP should cover how data are to be managed and maintained during the project.

Evaluation Data

The evaluation data will consist of a) Likert-scale surveys used to measure learning and attitude impacts on both teachers and students, b) the number of teachers using inquiry based instruction prior to and after a professional development program, c) content tests that will measure the degree to which the teachers are familiar with the research content, d) the number of extra curricular science/technology

based projects undertaken by the school, and e) the perfomance of the school with regard to AP and SAT II math and science related courses.

Content Materials

The content materials will be the curricular material developed for high school use with respect to inquiry bases instruction, and will consist of project desriptions, lesson plans, materials lists, and reading materials. In addition, there will material created for the Engineering Ambassadors for dissemination within the Engineering Ambasadors network.

Policies for access and sharing and appropriate protection and privacy

The Data Management Plan should describe the period of time the data will be retained and shared; factors that limit the ability to manage and share data, e.g., legal and ethical restrictions on access to human subjects data; and provisions for appropriate protection of privacy, confidentiality, security, and intellectual property.

The data will be stored for an unlimited period. This data will be scanned original questionaires and survey forms with no link to the respondant, or it will be publically accessable Department of Education data. Consequently, there will be no restriction to access of the data. The data will be shared with any party by contacting the PI, co-PI, or Manhattan College Archivist. The other material (i.e. the course materials) will also be stored for an unlimited period, and will also be fully accessable by contactin the PI, co-PI, of Manhattan College Archivist.

Data storage and preservation of access

The Data Management Plan should describe the mechanisms and formats for storing data and making them accessible to others, which may include third party facilities and repositories; and other types of information that would be maintained and shared regarding data, e.g. the means by which it was generated, detailed analytical and procedural information required to reproduce experimental results, and other metadata.

All material (data, analyzed data, reports, and course materials) will be stored on the in the Manhattan College Google Docs cloud storage facility under the heading TIER Program Materials. It will also be held by the PI and co-PI on a DVD. In addition, the analyzed data will also be store and made openly available on the website that will be created to disseminate the materials produced as a result of this project.

Additional possible data management requirements

Note that individual solicitations may have additional data management plan requirements. If guidance specific to the program is not available, then the requirements established in the Grant Proposal Guide apply.

Question not answered.