

## Plan Overview

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*A Data Management Plan created using DMPTool-Stage*

**Title:** TIER

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**Data Manager:** Graham Walker

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## **TIER**

### 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 dissemination of the data and the analysis of the data via journal and conference publications, and via New York City Department of Education 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 position.

### 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 performance 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 descriptions, lesson plans, materials lists, and reading materials. In addition, there will material created for the Engineering Ambassadors for dissemination within the Engineering Ambassadors network.

The data will be stored for an unlimited period. This data will be scanned original questionnaires and survey forms with no link to the respondent, or it will be publically accessible 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 accessible by contactin the PI, co-PI, of Manhattan College Archivist.

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.

Question not answered.

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