

## 6 Word Data Connection

*Deeper Learning Postcard*



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### Highlights

**Vetted Project:** The theme is to connect data collection and analysis to the real world, determine how data is used in a variety of careers, and discuss the importance of the information gathered from the data.

The students researched data used in various career fields and selected a career that interested them. After writing a short description, they created a 6 word title to catch the audience's attention. The students were asked to create interview questions and interview a professional in the career field they chose. At least one of their questions had to focus on the data used in that career. After the interview, the students selected a specific set of data that they would investigate. Using the data they found, they created a table, graph, and equation. Then, the students defined the different terms used in AFDA.1. Once the students defined the terms, they would find the different terms using their data. Next, the students used their equation to make predictions. Once they have collected all the data and evaluated their graph, the students needed to discuss the importance of this information. Then, the students created a brochure and submitted their information for the website. To finalize the project, they presented their projects to their peers, parents, and teachers. For more information about the tasks the students followed, check out our website: <https://pblproject6wordconnection.weebly.com/>. The brochures will be sent to the guidance department. The brochures and website will be displayed for students to check out the different careers and the data used.

**Sustainability:** The students produced a website and brochures.

**Driving Question:** What's the point? What is the value and importance of data to everyday life?

**Student Reflection:** Overall, the students enjoyed the project and the student choice sections, including selecting their career and the data used. Several students enjoyed working with a group, and a few students said they would have liked to work with a partner.

**Teacher Reflection:** This project provided the opportunity for students to research careers they are interested in and analyze the data used in the field. It exposed students to the application of math in the real world.

**Lessons Learned:** I would provide more time and practice on analyzing real world data.

**Teacher Rating:** Likely to recommend

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### WANTS

#### I. Authenticity

Performing  
Realistic Role  
Demonstrating  
Exhibit / Contest  
Producing / Revising  
Execute Multiple Drafts  
Portfolio / Presentation Board  
Presenting  
Display Calculations & Trends

#### II. Media Produced

Internet Media  
Website  
Computer-based  
Spreadsheets & Graphs  
Print Media  
Print Advertising  
Artistic Composition  
Journal / Diary  
Technical Writing  
Interview Questions  
Marketing Pitch / Brochure

#### III. Challenging Problems

Questions  
Self Reflection & Evaluation  
Themes  
Community Outreach  
Topics: Physical World  
Numbers & Shapes  
Topics: Humans in the World  
Work & Careers  
Topics: Of the Mind  
Implications of Decisions

#### IV. Achieved Literacy Skills

Information / Technology  
Utilize Spreadsheets / Graphs / Tables  
Project / Work  
Manage Time / Workload  
Take Initiative for Personal Success  
Leadership  
Influence through Leadership not Authority  
Present a Professional Appearance

### NEEDS

#### I. Parameters & Feasibility

Project Timeframe  
3-4 Weeks  
Assessment Timeframe  
Within a Class Period  
# of Project Members

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### Deeper Learning Postcard

Individual Pair  
Small Group  
Grade Level  
High School (Grades 9-12)  
Authentic Audience / Evaluators  
Peers  
Parents  
Teachers & Administrators  
Community Members  
Special Test Accommodations  
Timing / Scheduling

#### II. Intended Learning Outcomes

Creativity  
Brainstorm  
Design / Create  
Elaborate / Expand  
Communication  
Business Presentation  
Terms, Concepts or Calculations  
Collaboration  
Assume Shared Responsibility  
Ignore Distractions  
Value Contributions Made by Others  
Critical Thinking  
Assemble Parts of a Whole  
Clarify Meaning  
Model with Math

#### III. Success Skills & Depth of Knowledge

Cognitive Demand  
Applying  
Analyzing  
Social & Emotional Skills  
Self-awareness  
Self-management  
Group-awareness  
Group-management  
Learning Styles / Intelligences  
Logical / Mathematical  
Verbal / Linguistic  
Visual / Spatial  
Assessment Structures / Resources  
Checklists  
Graphic Organizers  
Interviews / Conferences

#### IV. CTEs & Disciplines

Career & Technical  
STEM Research & Applications  
Mathematics  
Statistics