

# Science Project Title: Identifying the Causes of Burnouts in New Mexico Middle and High School Public Educators During the Coronavirus Crisis

Name: Aicel Czenah Bueno      School: San Juan College High School      Farmington, New Mexico, USA

## (Q1) Research Question

Is it more difficult to teach online during COVID last year, or is it more difficult now that we've all returned from virtual learning?

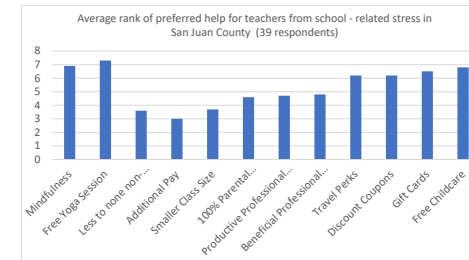
- Causes of burnouts in New Mexico Public Middle and High school teachers.
- How many teacher respondents find it more difficult to stay in their professions due to the pandemic.
- What is the preferred help for teachers against school-related stress.

## (Q3) Data Analysis & Result

*Table 2. Percentage of responses for the Teacher Stressors within San Juan County.*

| Time Constraints              |        | Non-teaching Duties |        | Curriculum Changes |        | Lack of Student Engagement or Interest |        | Personal Expectation of Performance |        | Lack of Administrative Support  |        | Pressure to Adopt New Pedagogies |        |                       |  |
|-------------------------------|--------|---------------------|--------|--------------------|--------|--|--------|-------------------------------------|--------|---------------------------------|--------|----------------------------------|--------|-----------------------|--|
| San Juan                      | Before | During              | Before | During             | Before | During                                 | Before | During                              | Before | During                          | Before | During                           |        |                       |  |
|                               | 12.8   | 28.2                | 10.6   | 41                 | 7.7    | 15.4                                   | 25.6   | 21.8                                | 17.9   | 25.6                            | 7.7    | 23.1                             | 5.1    | 23.1                  |  |
| Parents/Guardians of Students |        |                     |        | Personal Safety    |        | Health Concerns                        |        | Computer Software Issues            |        | Security of Connection to Wi-Fi |        | Family Related Issues            |        | Financial Instability |  |
|                               | Before | During              | Before | During             | Before | During                                 | Before | During                              | Before | During                          | Before | During                           | Before | During                |  |
|                               | 17.9   | 38.5                | 7.7    | 20.5               | 5.1    | 30.8                                   | 5.1    | 20.5                                | 7.7    | 17.9                            | 7.7    | 23.1                             | 15.4   | 15.4                  |  |

|       | Mindfulness | Free Yoga Session | Less to none non-teaching duties | Additional Pay | Smaller Class Size | 100% Parental Support | Productive Professional Development | Beneficial Professional Development | Travel Perks | Discount Coupons | Gift Cards | Free Childcare |
|-------|-------------|-------------------|----------------------------------|----------------|--------------------|-----------------------|-------------------------------------|-------------------------------------|--------------|------------------|------------|----------------|
| Score | 6.5         | 7.5               | 3.5                              | 3.5            | 4.5                | 4.5                   | 4.5                                 | 6.5                                 | 6.5          | 6.5              | 6.5        | 6.5            |



Note: 1 being the most important and 12 being the least important.

## (Q2) Methodology

1. Look for articles that talk about COVID-19 related stresses for Public School Teachers.
2. List issues that will affect teachers during COVID
3. List questions for the survey
4. Get IRB forms approved
5. Construct the survey google forms
6. Email Human Resource Directors or Superintendents of NM School Districts to distribute the Google survey
7. Analyze data from the Google sheets.

## (Q4) Conclusion

The analysis of data demonstrates that more survey responses from Middle and High school educators are needed to accurately measure the causes of teacher burnout in New Mexico after returning to in-person teaching. The hypothesis was rejected since the number of teacher respondents who plan to retire in the next five years outnumber those who plan to leave the profession under four years.