

# Camp Bedford for Achieve Adopters

Summer 2021

## Big Idea: Achieve as a Tool for Equity and Access

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# Overview

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- Context
- Chat storm: Challenges to Equitable Outcomes
- Applying Achieve Tools
- Poll: Engagement
- Equity and Access
- Poll: Student Success
- Student Success
- Future Plans
- Discussion

# Challenges for Equity and Access in Intro Composition

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## Background of Student Population

- Public community college
- Federally-designated Hispanic Serving Institution
- Minoritized and disproportionately impacted groups include
  - Latino/a/x students
  - African-American students
  - Native American students
  - Current and Former Foster Youth
  - Veterans
  - Students in need of accessibility services
  - Low-income students

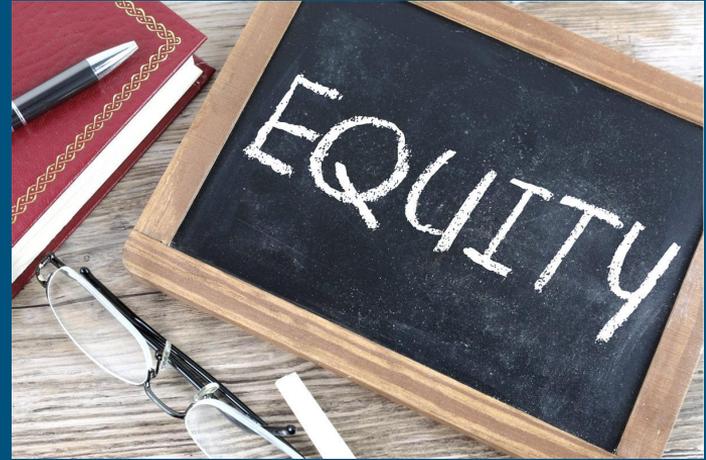
## Dual Challenges for Equity and Access

- History of inequitable outcomes in intro composition
- 2018 state law mandating access to transfer-level courses in English and Math, which includes intro composition
  - Removed assessment and direct placement
  - Removed pre-transfer-level (basic skills) courses
    - Solution? 2-unit corequisite support class
    - Solution? Achieve

# Chat Storm

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What is your biggest challenge for equitable outcomes in the classroom?



For this chat storm, please type your comments in the chat box

# Applying Achieve Tools

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## Graded Reading Assignments

- Low stakes (1 point)

## Diagnostics and Study Plans

- Self-paced

## Peer Review

## Feedback, Comments, and Revision

## Reports and Insights



# Peer Review Example

## CRISPR

CRISPR has become a popular gene editing tool that alters the genetic code of genes; it is often used to edit the genes of adults with devastating diseases. CRISPR stands for “clustered regularly interspaced short palindromic repeats”. This tool arose from research with the ability to track down bacteria and destroy the intruder DNA that is infected by a virus. It allows researchers to modify gene functions, including the correction of genetic defects, as well as the ability to treat and prevent the spread of harmful diseases. However, it has become a controversial topic due to the rise of the ethical concerns it comes with.

The tool CRISPR was initially used in China after being launched for multiple trials in humans. In the article, “Despite Controversy, Human Studies of CRISPR Move Forward in the U.S”, by Karen Weintraub, Weintraub explains the situation in which Chinese researcher He Jiankui caused a global outcry after using CRISPR to edit the genes of twin baby girls when they were only embryos. The use of this tool was highly questioned due to the fact that the procedure seemed extremely dangerous and risks were not appropriately measured. Public opinions were often opposed because it seemed too early to move ahead of technology. “Off-target edits” could cause health issues such as cancer (Weintraub, par.2). Yet most experts were confident that it was

 Comment

 Comment

Nice Job!

Great job explaining some of the concerns over CRISPR

# Instructor Feedback

## Gene-Editing Changing Science

Scientific American demonstrates in “*Despite Controversy, Human Studies of CRISPR Move Forward in the U.S.*” how researchers in the U.S have begun editing gene adults using the tool CRISPR to devastating diseases. Why is gene editing important? Well with genome editing, enables scientists to make changes to DNA. This leads to changes in physical traits and disease risk. In other words, it allows genetic material to be added, removed, and altered in particular genes. Gene editing like CRISPR can have its pros and cons. CRISPR has enormous potential for medicine, it's a treatment for sickle cell diseases but this procedure has its own effects and safety hazards. CRISPR uses family DNA sequences with bacteria and archaea. With CRISPR it adapts to the natural genome editing system in bacteria. The bacteria capture snippets of DNA from invading viruses and use them to create DNA segments known as CRISPR arrays. The CRISPR allows the bacteria to remember the viruses If the viruses attack again, the bacteria produce RNA segments from the CRISPR to target the viruses' DNA. This helps to disable the virus.

Karen Weintraub state “Researchers in the U.S. have begun editing the genes of adults with devastating diseases, using a tool known as CRISPR here are few modern-day scientific innovations with implications as profound as the gene-editing technology CRISPR, which allows scientists to precisely cut and alter the DNA of any cell.” This shows how researchers have begun to find a treatment to edit DNA straps knowing that China has already started the

 Comment

 Thesis

 Integration of Research

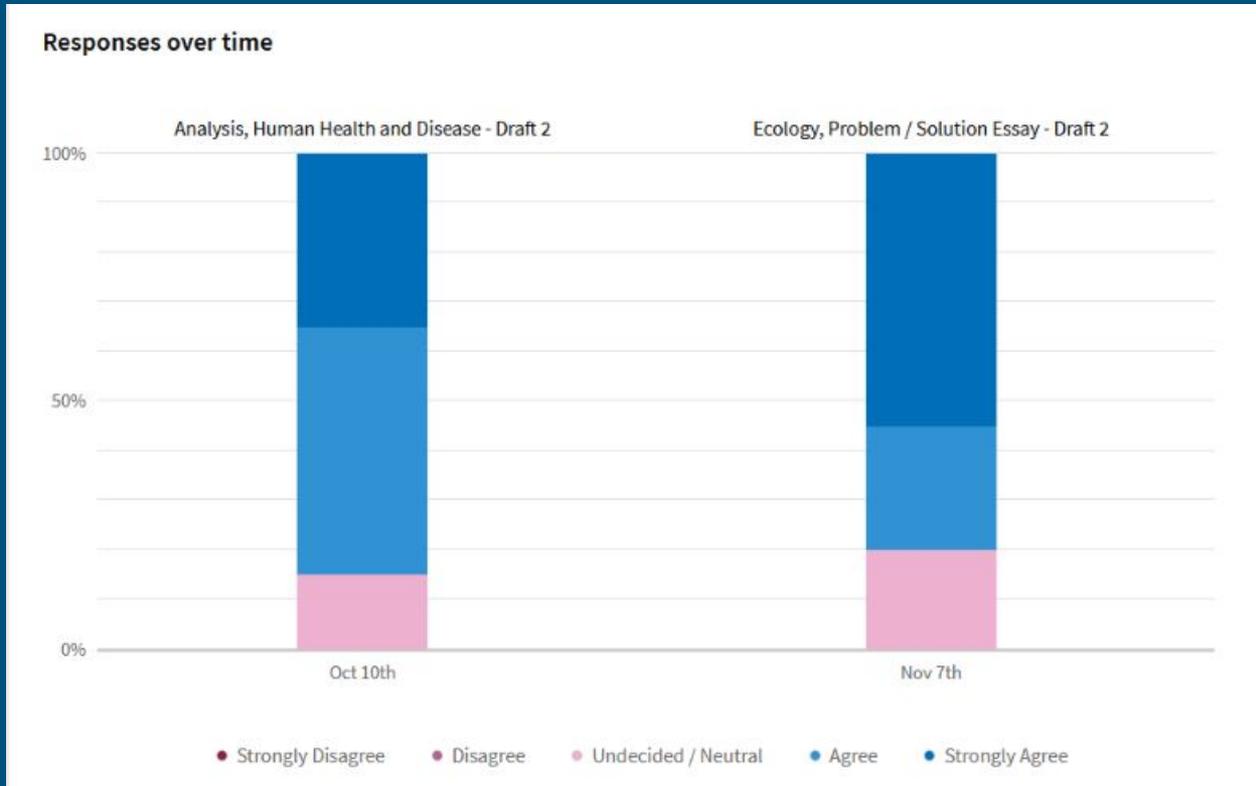
**Needs Work** - Research is included with the analysis, but not integrated into the text.

Great research, but save it for the next paragraph and be sure to cite the source

- Editing for Proper Use of Sources
- Tips for Integrating Sources (APA)
- Tips for Integrating Sources (MLA)

 Integration of Research

# Report



# Insights

## ▼ Tutorial: Do I Need to Cite That?



■ Correct first try ■ Eventually correct ■ Incorrect ■ Unanswered

[View all questions](#)

Lowest performing questions	First try correct	Eventually Correct	Never Correct
Working with Sources: Do I Need to Cite That?	16.67%	83.33%	0%
Working with Sources: Do I Need to Cite That?	35.29%	64.71%	0%
Working with Sources: Do I Need to Cite That?	52.94%	47.06%	0%
Working with Sources: Do I Need to Cite That?	58.82%	41.18%	0%
Working with Sources: Do I Need to Cite That?	58.82%	41.18%	0%

# Poll: Engagement

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- Which of these tools do you think would be the most useful for engagement in your classroom?
  - Graded Reading Assignments
  - Diagnostics and Study Plans
  - Reports and Insights
  - Peer Review
  - Feedback, Comments, and Revision

# Equity and Access

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## Additional Support Services within Achieve

- Meets students where they are

## Data

- Allows for targeted invasive outreach

## Customizable learning

- One size does not fit all

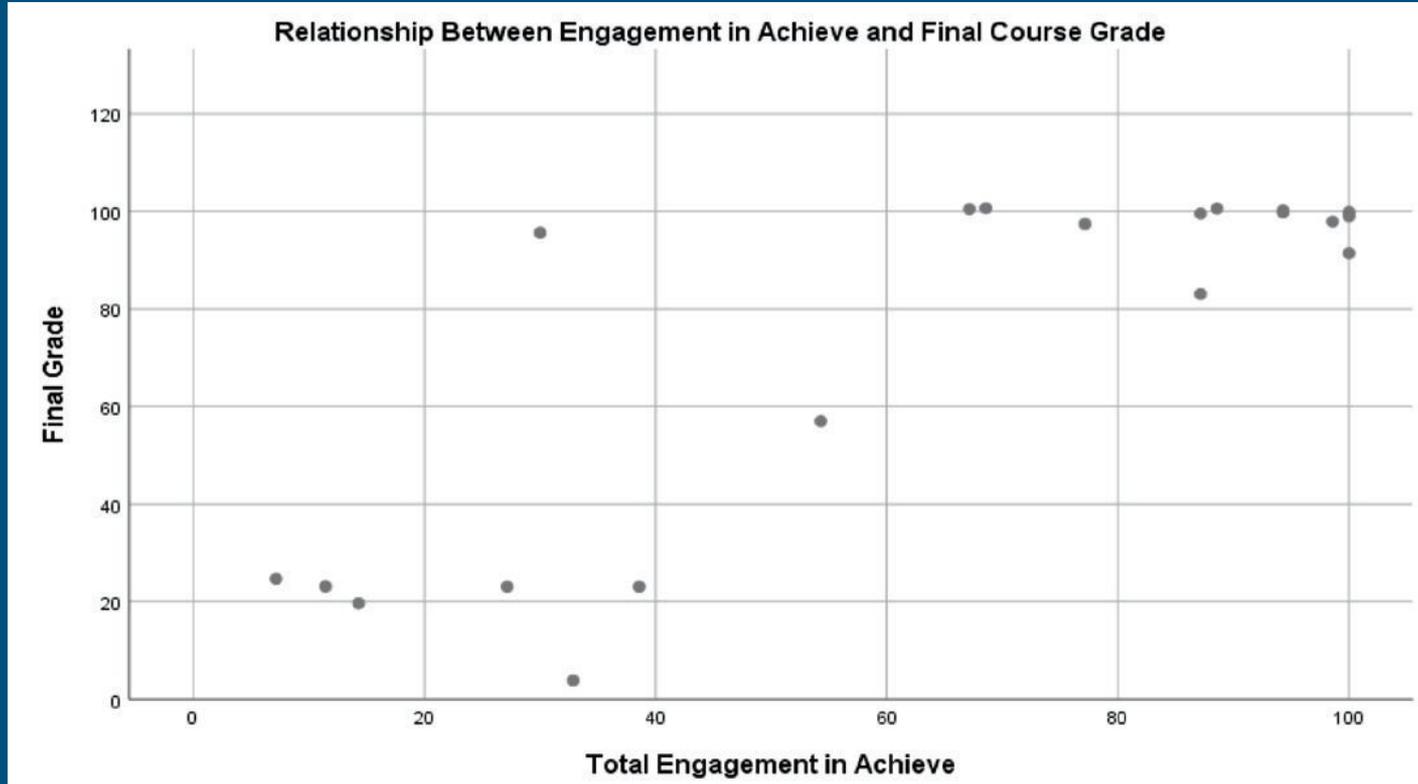
# Poll: Student Success

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Which of these do you find most important for equitable outcomes in student success?

- Flexibility
- Time
- Student interaction
- Support resources
- Instructor engagement

# Student Success with Achieve



# Student Success with Achieve

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## Testimonials

- Achieve readings taught me many basic things I should have learned more about in high school. This helps me improve my papers to get better grades.
- With Achieve, it was great because the readings helped touch up all my weak spots in writing and some that I didn't even know I had. The readings every week combined with the goal quiz parts of achieve was truly great in order to get a real good grasp for what was going to be in the paper later on that week.
- What I also found very helpful were the Achieve assessments/quizzes, it gave me the chance to test myself based on what I learn and know what skills I have developed and which ones I had to work on. When I first started this course, I wasn't really good at writing essays but as the time went by and I learned more from this course, I started to get better. I have to say, I did progress a lot and I mean a lot.

# Future Plans

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Continued use of Achieve in introductory writing classes

Report out to department about success with Achieve and encourage engagement



# Q & A



[macmillanlearning.com](https://www.macmillanlearning.com)