## MERGING REALMS

AI, GOOGLE LOOKER STUDIO, AND GAMIFIED TEACHING

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BACKGROUND



BEST ACHIEVEMENTS



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BACKGROUND



BEST ACHIEVEMENTS

## LEARNING GOALS



Understand the concept of gamification in education and its potential impact on student engagement.



Explore the capabilities of AI and Google Looker Studio in creating personalized and interactive learning experiences.



Learn practical strategies for implementing gamification in various subjects and grade levels.



# UNDERSTANDING GAMIFICATION

game design principles and mechanics to learning environments to increase student engagement and motivation.



## UNDERSTANDING GAMIFICATION

It involves integrating elements like points, badges, leaderboards, and challenges into educational activities to make learning more interactive and enjoyable.



# UNDERSTANDING GAMIFICATION

By transforming traditional learning experiences, gamification encourages active student participation and rewards progress and achievements.



# UNDERSTANDING GAMIFICATION

Studies have demonstrated that gamification significantly enhances student engagement and motivation, resulting in improved learning outcomes.



### **GETTING STARTED**

### PROMPT ENGINEERING

The process of carefully designing and optimizing the inputs (or "prompts") given to AI models to achieve desired outputs.

A well-crafted prompt provides clear instructions, context, and constraints that guide the model's response.

P create an overview of a plan to gamify this course.
include a detailed outline, the course is 12 weeks in
length and meets 2 days a week for 90 minutes each

meeting.

Course Gamification Overview: PRM 325 Language Arts Practices and

**Objective:** Integrate gamification principles to enhance student engagement, motivation, and active participation in PRM 325. The gamified course structure will leverage competitive elements, collaborative activities, and a points-based system to create an immersive learning experience.

**Duration:** 12 weeks (24 sessions, meeting 2 days a week for 90 minutes each)

Weeks 1-2: Orientation and Introduction to the Gamified Environment

Session 1 (Week 1):

Curriculum



# OMM GOING FURTHER WO

#### Prompt engineering is critical to mastering the use of AI for several reasons

Control of Output	The quality and relevance of AI-generated responses are heavily influenced by the prompt. A well-engineered prompt results in more accurate, helpful, and contextually appropriate answers.
Efficiency	With clear prompts, you can reduce the back-and-forth required to refine the AI's output, saving time and effort in applications like content generation, problem-solving, or data analysis.
Customization	By providing specific guidance or context in a prompt, users can tailor AI responses to their unique needs, whether it's tone, format, or subject matter.
Maximizing AI's Potential	AI models are versatile, but they require proper direction to be most effective. Mastering prompt engineering enables users to unlock more advanced capabilities, turning AI into a more powerful tool for various tasks like summarization, creative writing, coding, and beyond.





## WHERE IT LED

#### **Course Gamification Overview**

#### PRM 325 Language Arts Practices and Curriculum

I'm excited to present **LitSmash by Brueck**©, an innovative and engaging gamified method designed for literacy instruction in pre-service primary education. Dive into 10 ELA Odyssey Quests where you'll collaborate in teams, taking on thrilling challenges to enhance your understanding of English Language Arts concepts and refine your skills for effective instruction in both ELA and content areas.

Be prepared for an interactive and engaging experience where you'll apply research-based strategies, collaborate with your team, and enhance your understanding of literacy education. A detailed scoring rubric will guide your progress, ensuring a comprehensive evaluation of your accomplishments at each level within every quest.

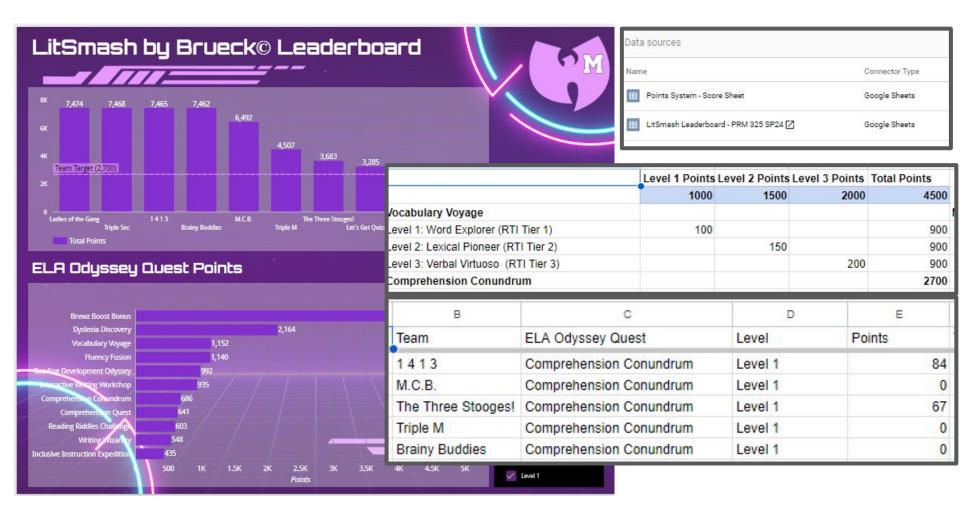
I'm looking forward to embarking on this educational journey with you and witnessing your growth throughout the semester. Get ready for **LitSmash by Brueck®** – where learning becomes an adventure!

## STUDENT FEEDBACK

Gamification vs traditional learning methods	Engagement and understanding of the material			
Positive - Engaging, <b>freedom to make choices</b> , enjoyable	Positive - Hands-on, caters to active participation			
Positive - <b>Competitive</b> , more engaging than lectures	Positive - <b>Self-paced</b> , enhanced engagement, <b>flexible schedule</b>			
Positive - <b>Collaborative</b> , fun, exciting, new way of learning	Positive - More engaging, provides practical classroom resources			
Positive - Teamwork, research-focused, independent learning	Positive - <b>Motivating</b> , competitive, <b>performance-driven</b>			



PREPARE AND FLATTEN DATA
START A GOOGLE LOOKER REPORT
RELATIONAL DATABASES: ADD AND JOIN DATA SETS
CREATE AND ADJUST TABLES AND GRAPHS
UTILIZE GOOGLE LOOKER

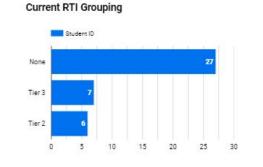


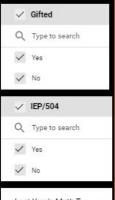
While I am teaching you how to make this, I encourage you to test this dashboard out!

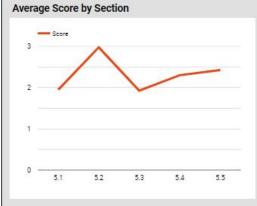
In a few minutes, I am going to have you share dashboard ideas! Start thinking

#### MRS. SMITH CLASS DATA TRACKER







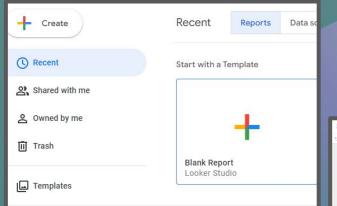


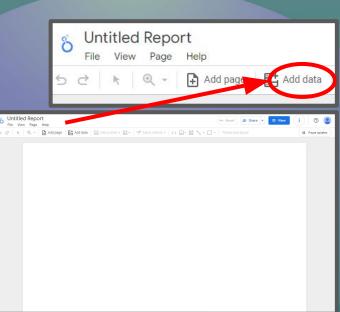


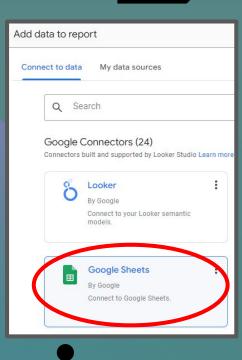


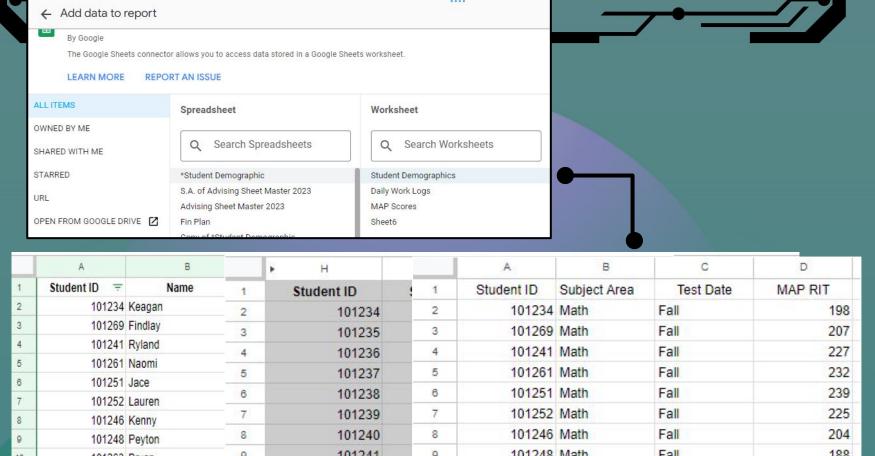


## Looker Studio

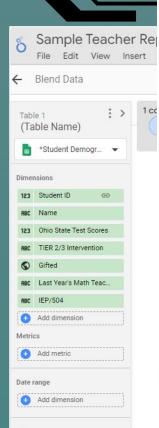








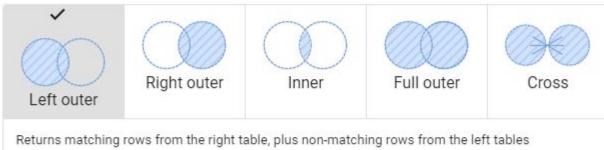
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10	10	01263 Bryan	8		101241	8	101240 Watii	raii	100



#### Join configuration

#### Join operator

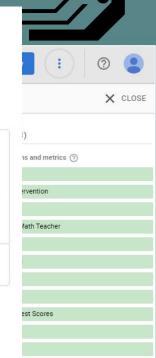
Tell us how rows from all the tables on the left and the table to the right are combined.

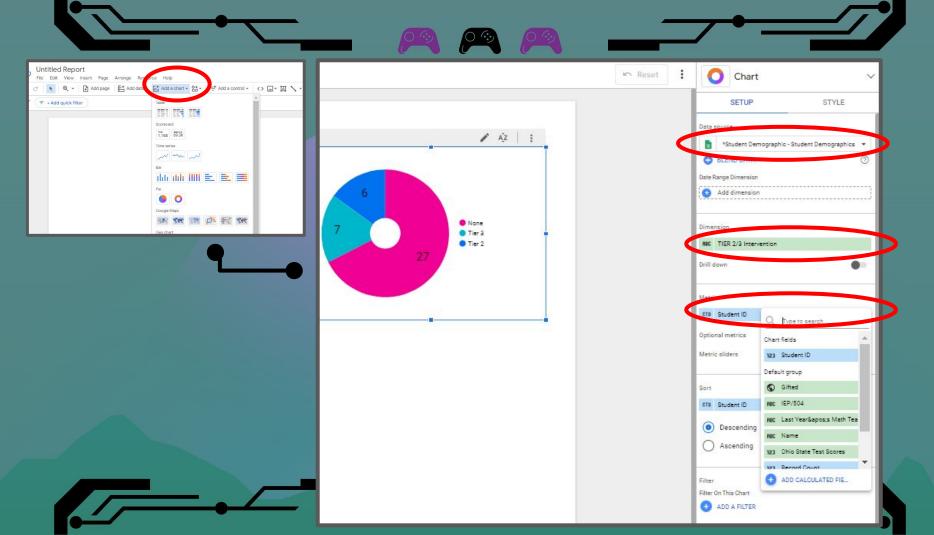


#### Join conditions

Tell us how these tables are related. Add one or more fields from the tables to the left that match the fields in the table to the right.

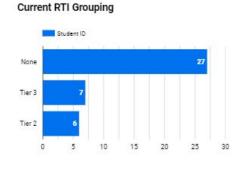
Student ID (Table 1)	$\ominus$	123	Student ID (Table 2)
Add field	⊖	0	Add field



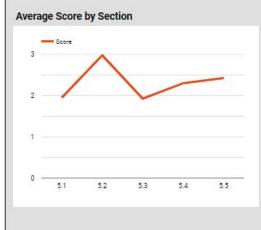


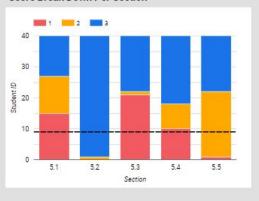
#### MRS. SMITH CLASS DATA TRACKER





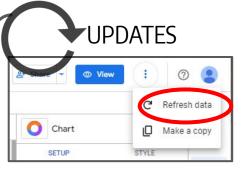




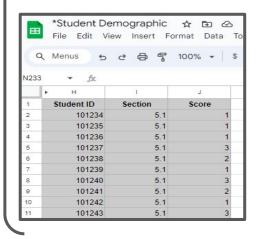


Score Break Down Per Section





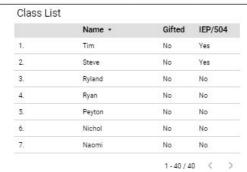


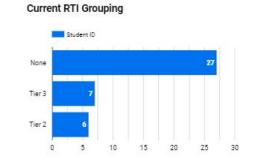


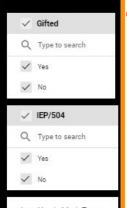


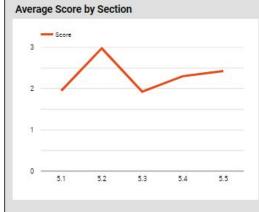
What Dashboard Ideas or Questions do you have?

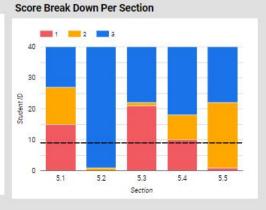
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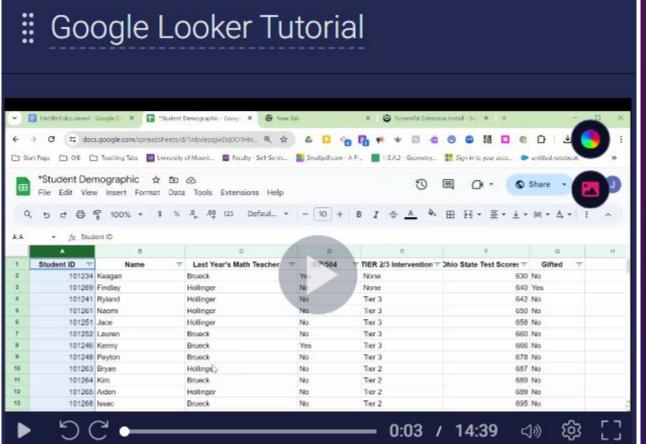














# THANK YOU

WE HOPE YOU LEARNED SOMETHING NEW!



