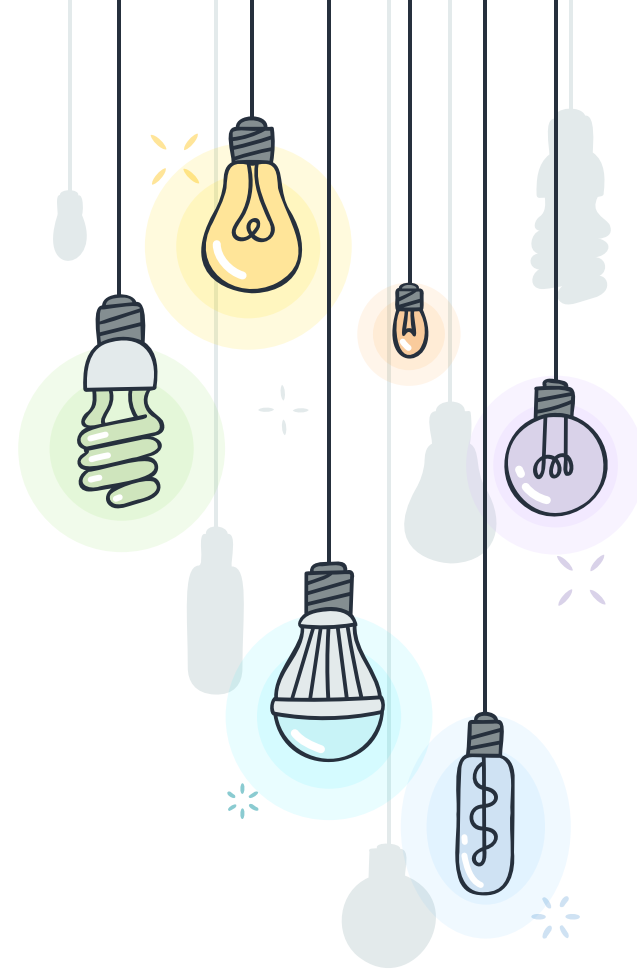




USING MENTOR MATCHING ENGINE AT
EVERY AP RESEARCH STAGE

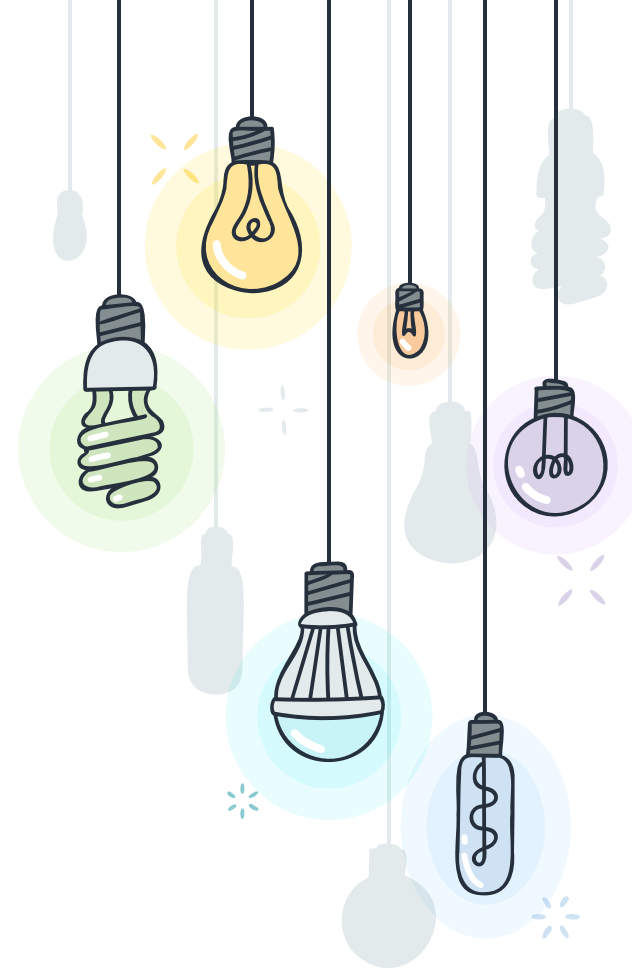
* BACKGROUND

- Jones College Prep, a SEHS CPS high school
- 30-45 Research students each year
- 6th year as AP Research instructor



* AGENDA

1. Establishing AP Research calendar and benchmarks
2. Bringing in mentors at each benchmark
3. Specific documents and question protocols



AP RESEARCH CALENDAR AND BENCHMARKS





Semester One Benchmarks	Specific Tasks and Assignments
Topic Development	50 source list, annotated bibliography, project proposal (including RQ)
Literature Reviews	Outline; Drafts of literature review
Methodology (learning and selecting)	Methods Investigations, Data Collection Plan



Semester Two Benchmarks	Specific Tasks and Assignments
Data Collection	Methods section of paper; data collection (organizing and storing)
Data Analysis	Data Analysis Protocol; Results/Findings section of paper
Academic Paper Wrap Up	Paper sections: Discussion; Conclusion/Implications
Presentations Oral Defense	Slides; Formal POD

MENTORS AT EACH STAGE



* TOPIC DEVELOPMENT

- + Provide sources
- + Look at source list/annotations to look for gaps in knowledge
- + Give feedback on research question drafts
 - × Scope
 - × Value
 - × Focus
 - × Feasibility
- + Limitations/delimitations of the project



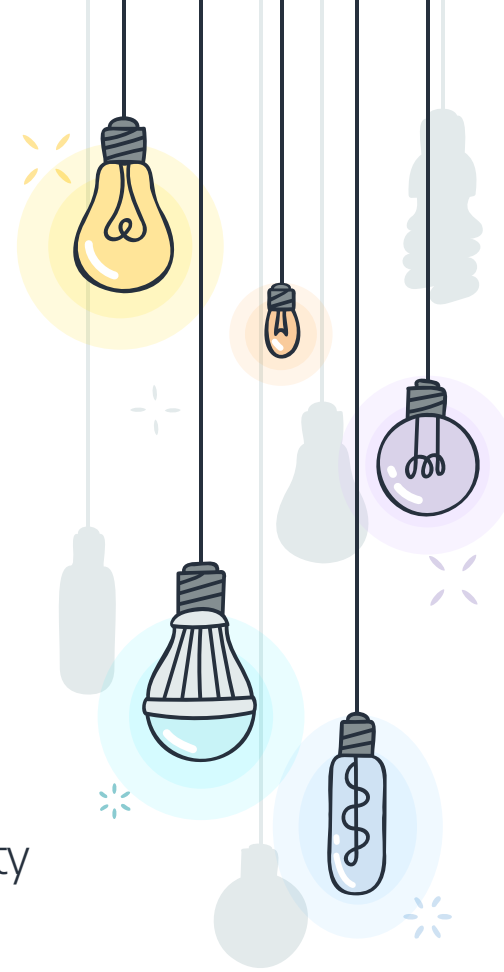
* METHODOLOGY

+ Help students understand what a method is

+ Expose students to methods in disciplines/ fields

+ Select appropriate methods to yield data for RQ

- × Scope
- × Value
- × Focus
- × Feasibility



* LITERATURE REVIEWS

- + Help students find sample literature reviews in discipline/field
- + Specific feedback on literature review drafts



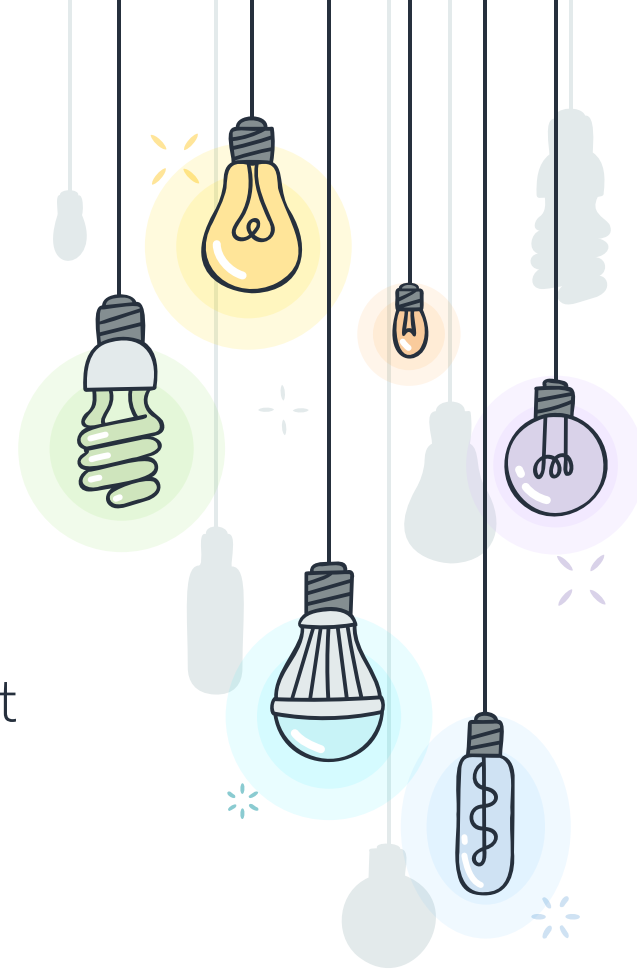
* DATA COLLECTION

- + Develop a thorough research plan
- + Understanding useful vs not useful data
- + How to collect and sort data
- + Specific feedback on methods section of paper



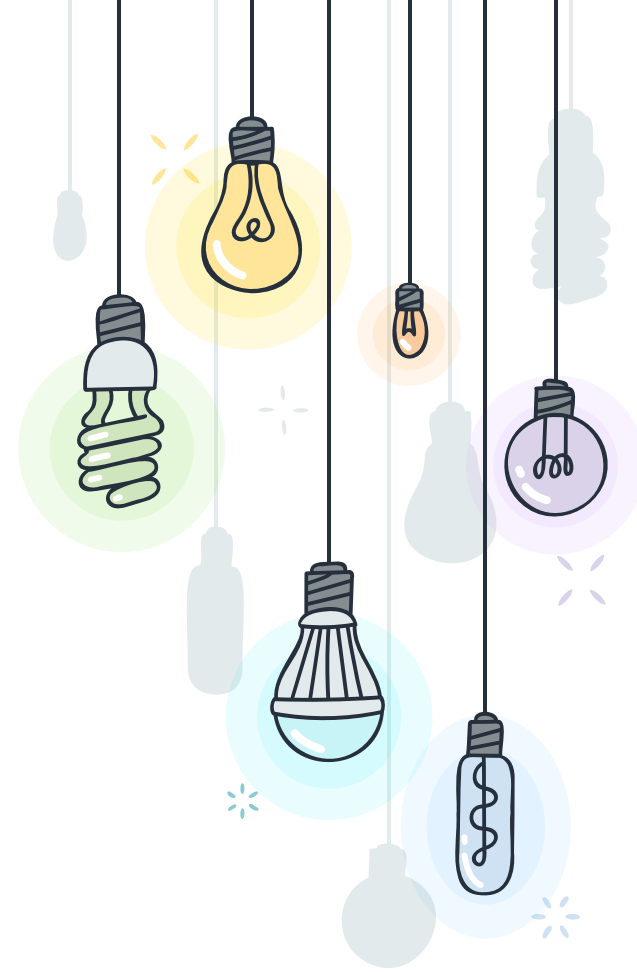
* DATA ANALYSIS

- + Develop a data analysis protocol
- + Look at examples of data analysis in published research
- + Organize and store data
- + Help decide what data is useful
- + Statistics!
- + How to write about data



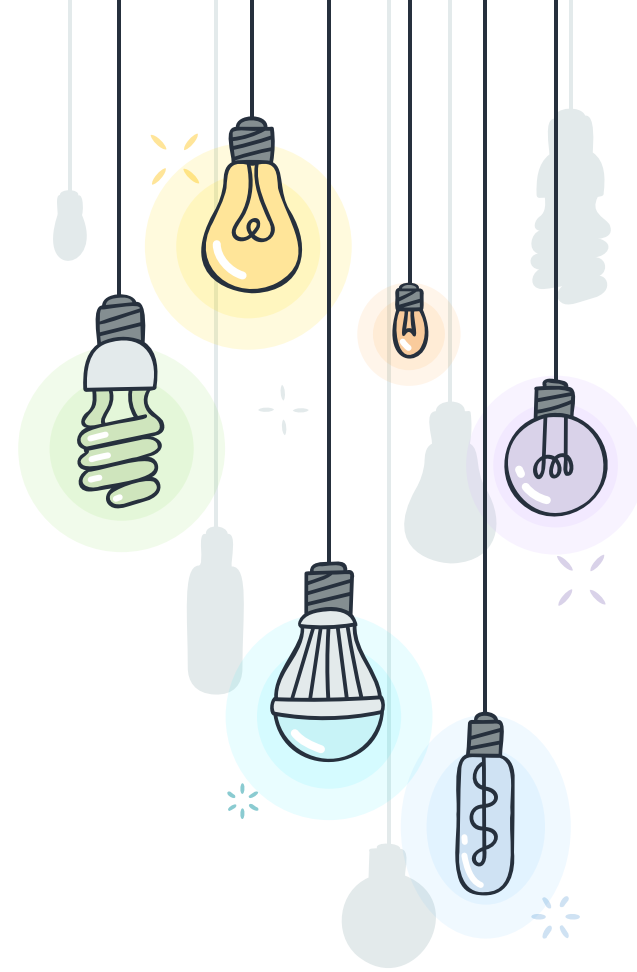
* PAPER WRITING

- + Feedback on discussion section
- + How to frame the implications of the research
- + General paper feedback
 - × Mechanics
 - × Tone
 - × Concision
 - × Diction
 - × Syntax



* PRESENTATION ORAL DEFENSE

- + Slides feedback
- + Practice with oral defense questions
- + Can practice whole POD

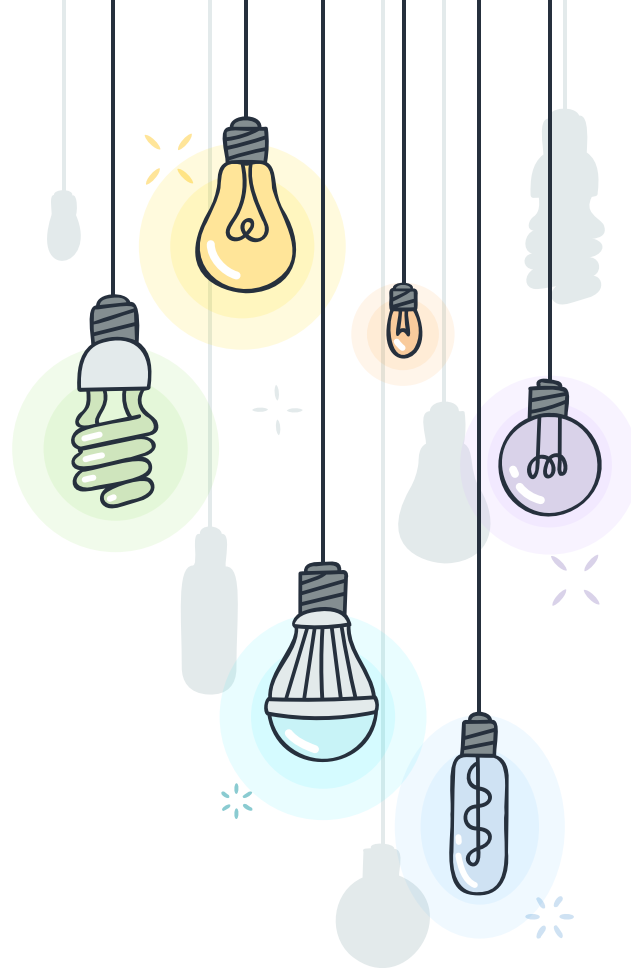


DOCUMENTS AND PROTOCOLS



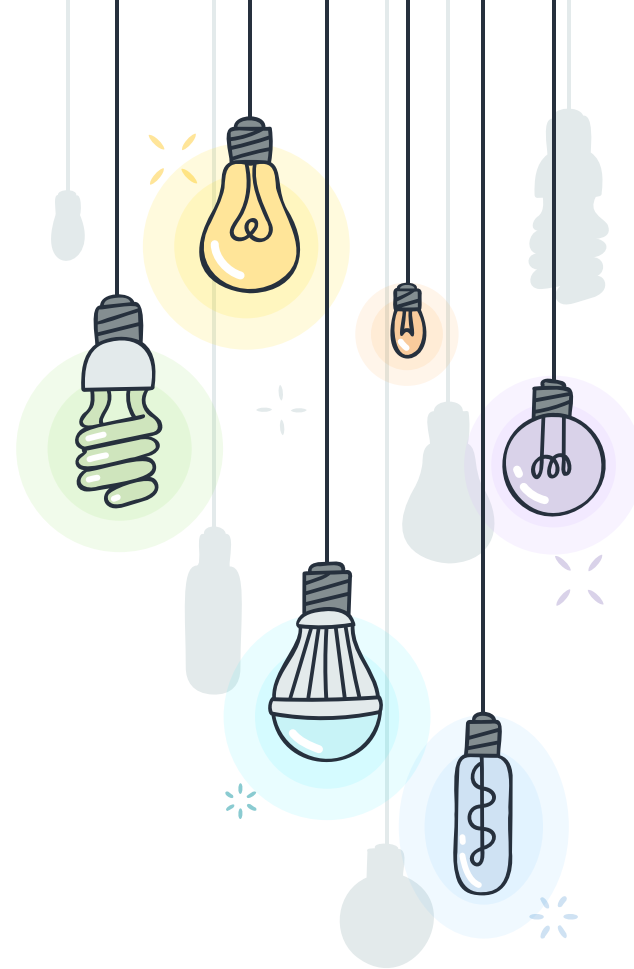


QUESTIONS PROTOCOL (STUDENT TO MENTOR)





MENTOR GUIDANCE PROTOCOL (MENTOR TO STUDENT)



“ Any questions?

Email: camiller10@cps.edu

