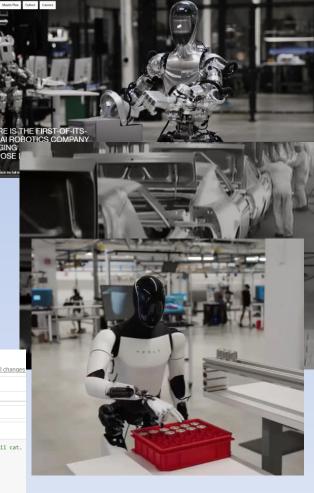
Welcome Spring 25: Exciting Times

- Artificial Intelligence
 - AI & Manufacturing (Robots)
 - Al & Data
 - AI & Education
- All Perspectives Critical!

O Success requires engagement!







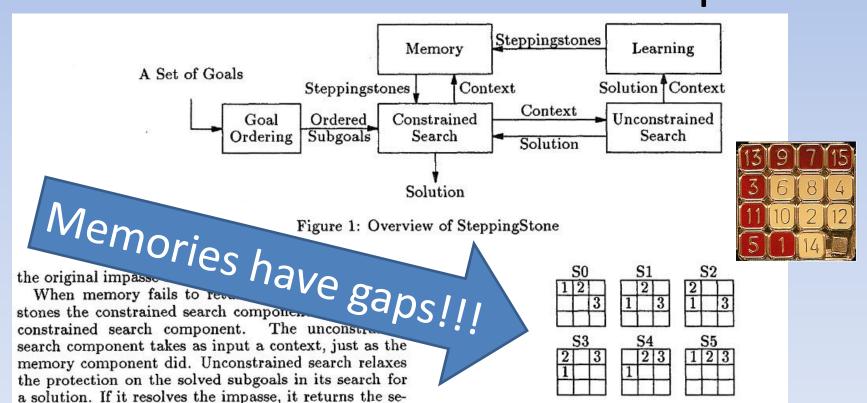
Topics

- What are we learning?
 - Core Content
- What Do I Bring?
 - Experiences: Southeast Fresno to CSUF BA
 - Experiences: PhD in AI + Work in Orange County
- What's the plan?
 - Construct Learning Environment w/
 - Abstractions
 - How we learn.
 - How we share.
 - Engagement
 - Engagement Encouragement
 - Engagement encouragement part of my personal story
- What do you bring?
 - o Engagement!
 - Learning Environment requires ENGAGEMENT!
 - Personal Perspectives
- Evaluation:
 - Engagement
 - Content

Key Idea: Abstractions

- Enhance Thinking and Communication
 - Advances critical thinking
 - Helps in sharing ideas through generalization
 - Highlights conflicts and compatibilities
- Simplify Complexity
 - Simplifies intricate concepts
 - Hides unnecessary details
 - Creates layered information for easier understanding
- Interface w/ Al
 - Abstractions of world facilitate data creation
 - Abstractions of problems facilitate decomposition

PhD Idea w/ Memories Replay Memories are Abstractions.. Not stored complete!



quence of moves found to the constrained search component. The unconstrained search component also sends

its impasse solution, along with the context, to the

learner.

Personal Pedagogy

- Communication Involves Abstractions
 - Abstractions of Reality & Imaginary Worlds
 - Data and Metadata
 - Text & Subtext
- Learning Involves Abstractions
 - Coding Constructs
 - Algorithms
 - Coding Libraries
- Engagement Everything
 - Engaging enables learning!

Participation

- Attendance:
 - Engagement is required
 - Class engagement requires some attendance
- Roll Taking
 - As needed
 - Random
 - Some Sign-In
 - Quizzes/Tests
- Online Discussions
- Participation Assignments
 - Designed to encourage interaction with content

Assignments

- Engagement
 - Timely
 - Meeting requirements
- Content
 - Correctness
 - Complexity
 - Effort
 - o Polish

Quizzes

- Quizzes in Canvas.
- Measure of understanding
- Practice for exams

Exams

- Measure of understanding
- Weighted by assignment work
- Weighted by participation

Canvas

- Canvas Class Notes
- Canvas Quizzes

Who Am I? Personal Abstraction

- Can Abstract Connections Improve Engagement?
- Fresno Fairgrounds Area:
 - Lane Elementary '73
 - Sequoia Junior High '77
 - Roosevelt High School '80
 - Fresno State '84
- Struggled Some w/ Connections
 - Supported Thru: Abstractions













Conflicts Common!

Teachers go on Strike

Fresno teachers went on strike for the first time in the city's history. Negotiations for a new contract between the Fresno Teachers' Association and the Fresno School District broke down and on November 19,1978, the teachers voted to strike.

Although there were some 18 separate issues, the major stumbling block was class size. Many Fresno teachers felt that a maximum number of students in each classroom must be guaranteed to insure a quality education. The teachers offered to give up 1% of a promised salary increase if Governor Jerry Brown lifted proposition 13 payfreeze to hire more teachers in an effort to lower class size. Since salary was not an issue, the strike is noted as being one of the first teachers' strikes in the nation aimed at improving education for their students. Approximately 1,000 of the 2,400 Fresno teachers went on strike the first day and over half of Roosevelt's staff formed a picket line around the campus.





Student Protest

Students and a few adults march in front of Sequoia Junior High School to protest the firing of metal shop instructor Jose Haro. The demonstration, held during the noon heur, was peaceful. Haro, a second-year teacher at the school, was fired on a 3-2

vote by the Fresno Unified School District Board of Trustees Monday night. The district charged he operated the metal shop in an unsafe manner. His supporters claim he was dismissed because of personality and value conflicts because unsafe conditions at the metal shop at Sequoia also exist at metal shops at other junior high schools in the district.

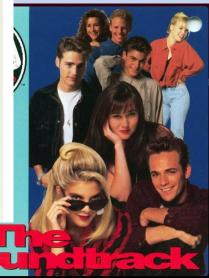
Bee Photo







Anxiety grows (upper left) as teachers meet before the strike. Teachers (left) talk over future actions. Talking over their different points of view on the strike (upper) are Mr. Barton and Mr. Hamilton. Students (upper right) found the strike wasn't all the fun they thought it would be. One of the many friendly faces found on the picket line (right) is Mr. Revocomb. Rain or shine, teachers Mr. Schneider and Mr. Hergerander (above) sation up or the cause.



Conflicts Common My Neighborhood: Abstractly



- Cars
- Fences
- Landscape
- What can we infer?
 - Avoid conflicts.