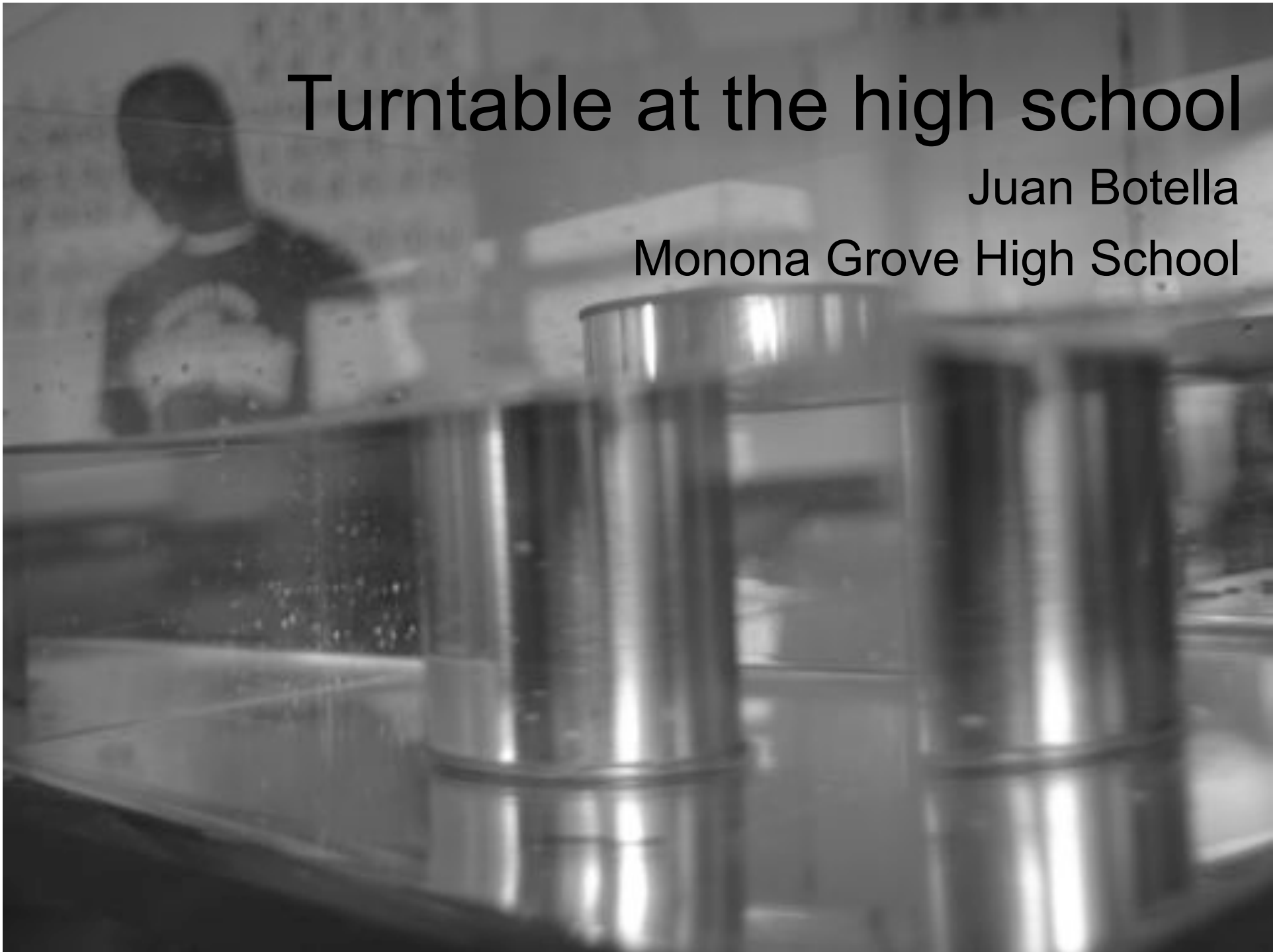


# Turntable at the high school

Juan Botella

Monona Grove High School





# Outline

A bit of education theory

An example in a high school classroom

Conclusions



# Piaget

The Language  
and Thought of the Child

National Research Council

*Expanded Edition*

# How People Learn

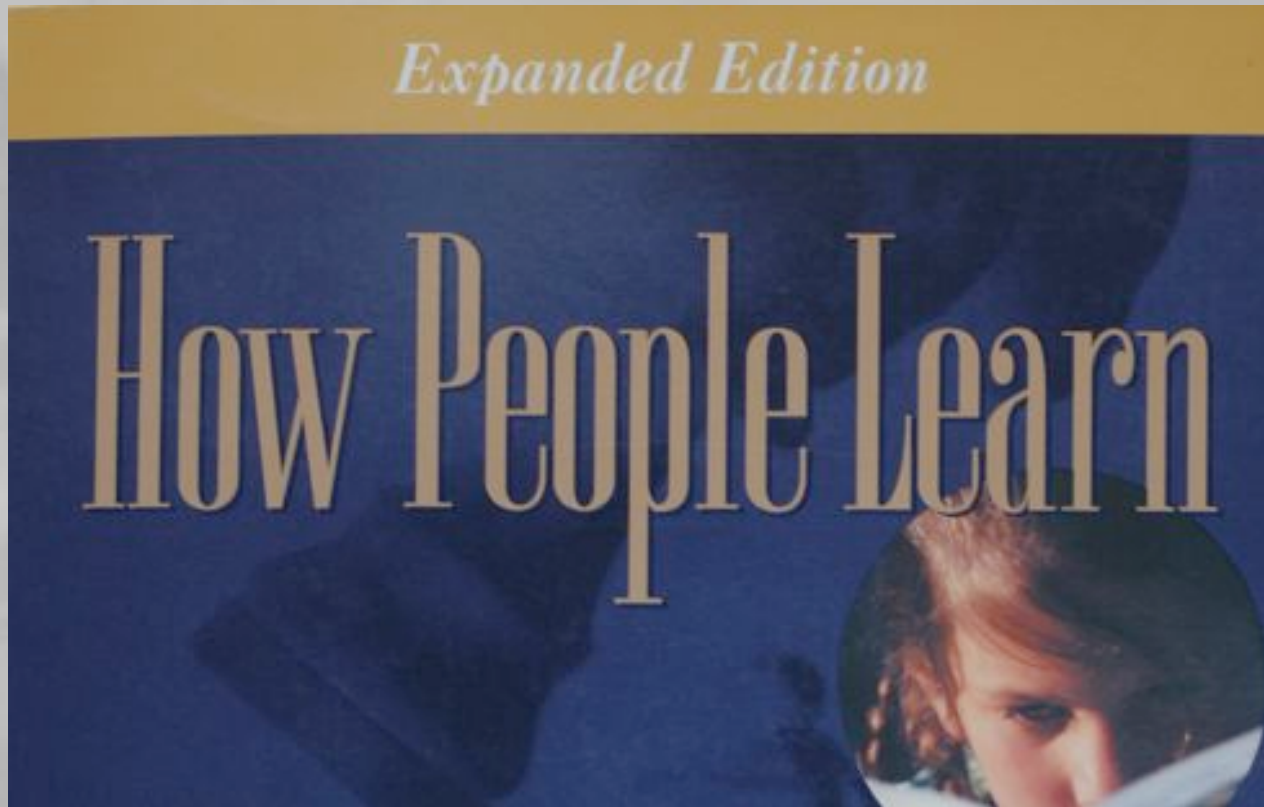


*Expanded Edition*

# How People Learn

The book cover features a dark blue background. At the top, there is a gold-colored banner with the text 'Expanded Edition' in a white, italicized serif font. Below this, the title 'How People Learn' is written in a large, gold-colored serif font. In the bottom right corner, there is a circular inset photograph of a young girl with brown hair, looking down and reading a book.

Anchor intuition



Anchor intuition

Interactive lecture demonstrations



Does not test for content:

- Design and perform experiments to test ideas
- Analyze collected data
- Interpret and construct graphs and tables
- Compare different experiments
- Elaborate explanations based on the analysis

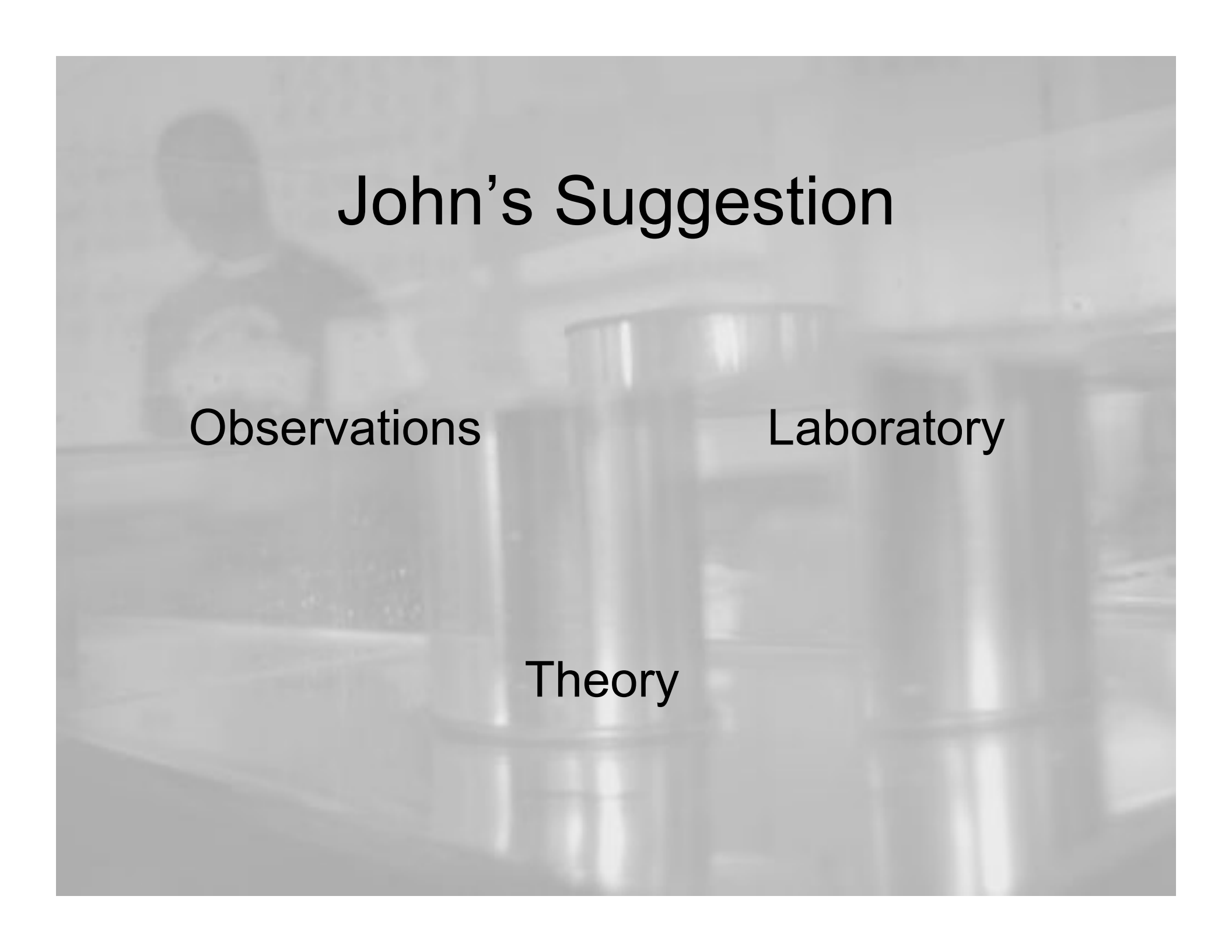








# John's Suggestion



Observations

Laboratory

Theory

# John's Suggestion

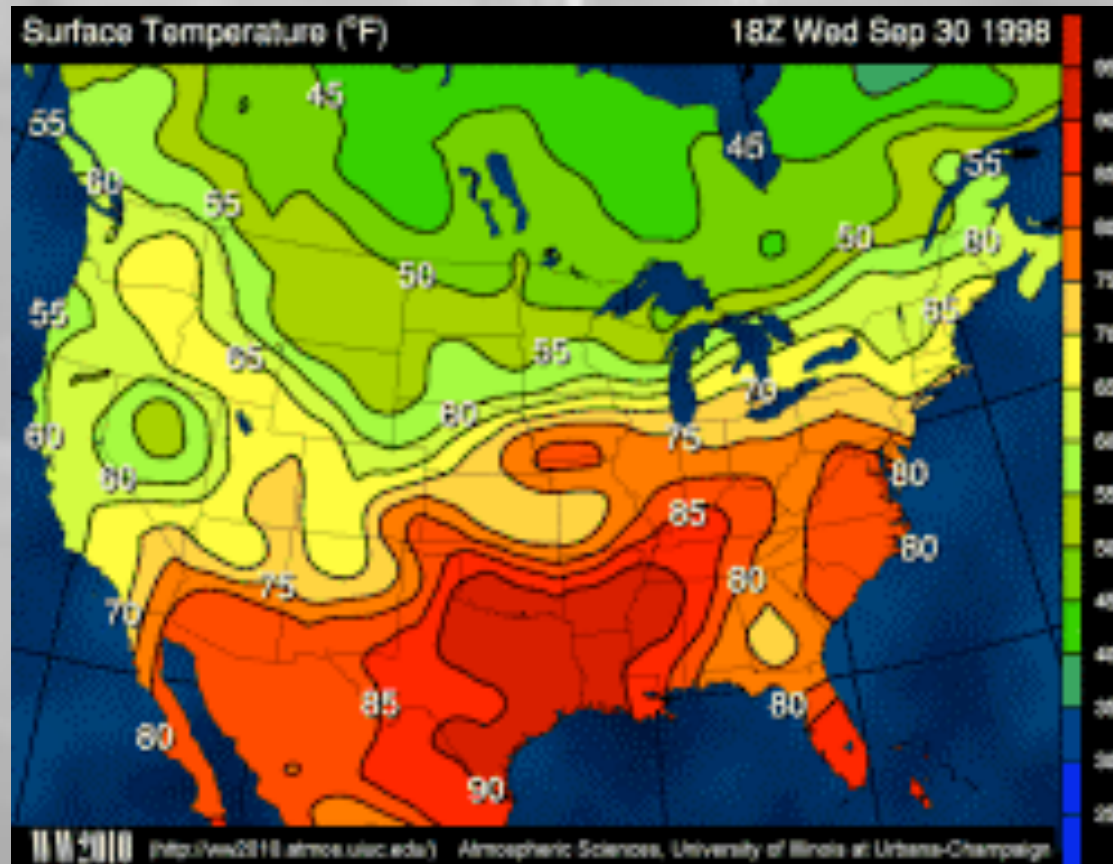
Observations

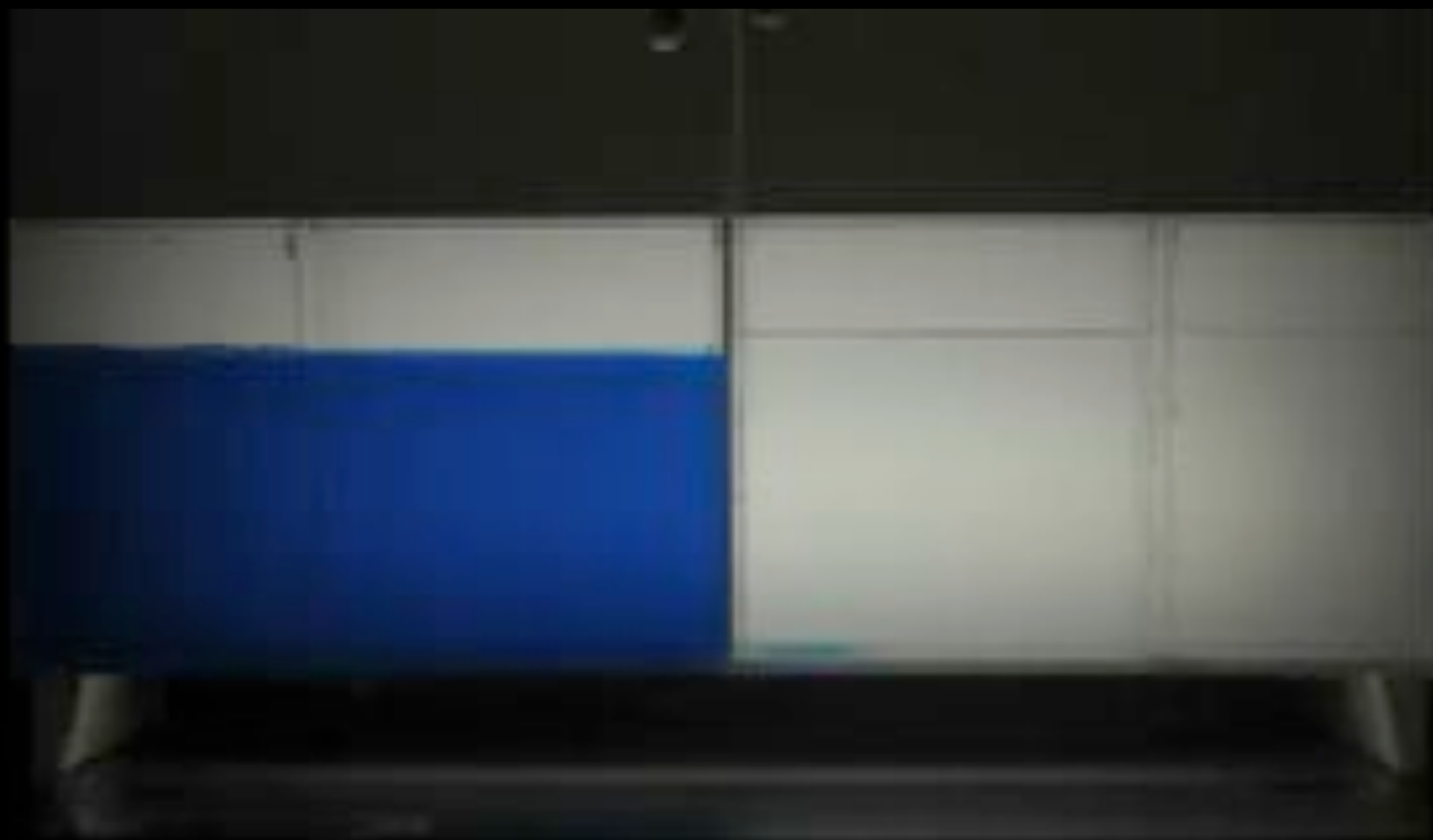
Laboratory

Theory

Conceptually; no math

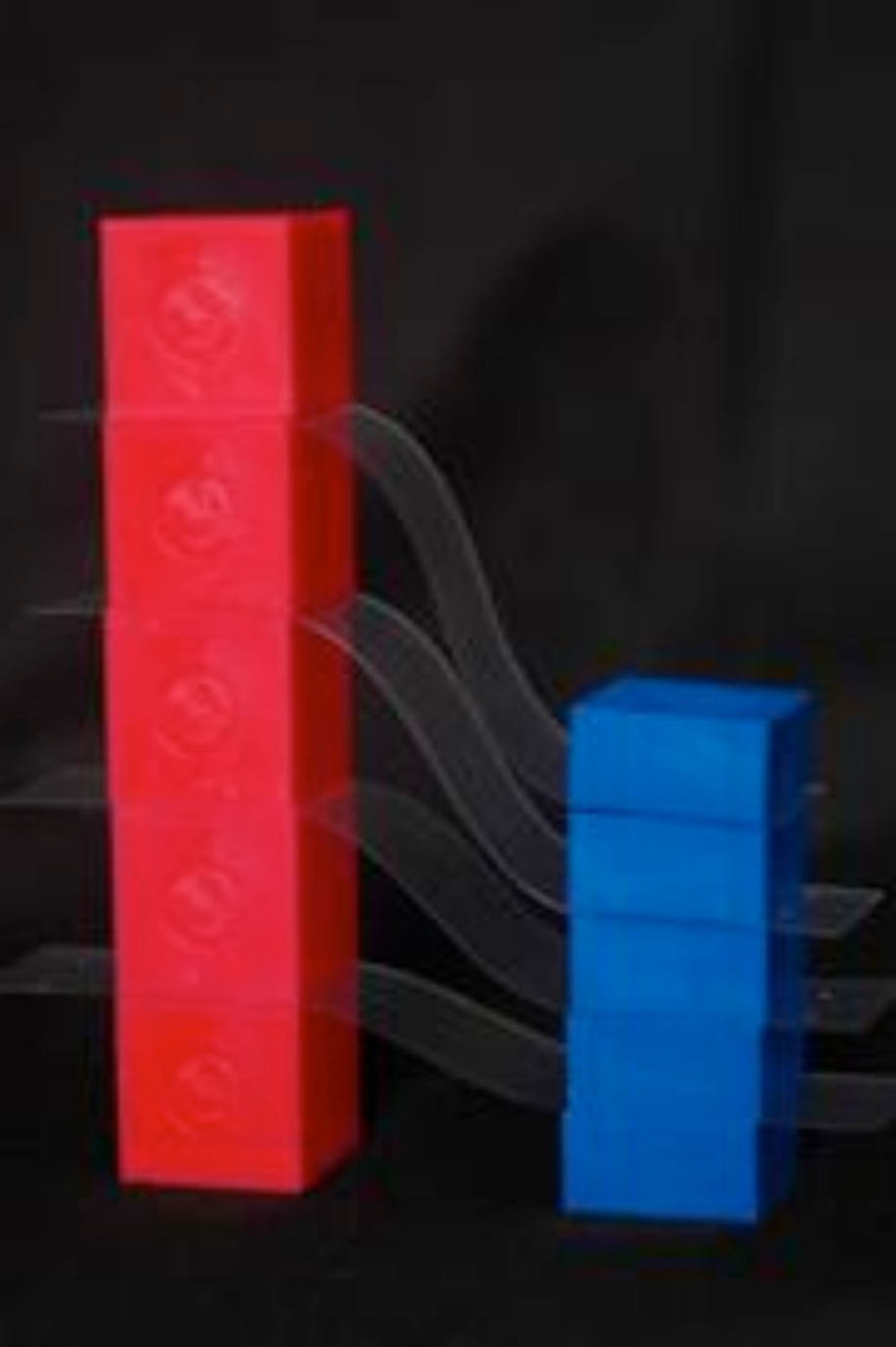
# Atmospheric Front











# Challenges:

## Balance:

- free student inquiry based on self-direction
- guided instruction



# Conclusion

- Use of turntable fits with education theory
- The turntable has great potential for high school instruction
- Teachers as coaches need clear curricula and instructions