

Educational Information is About to Change

Learning is not Education

Grading is not Assessment

Curriculum is not Instruction

Assessment is not Evaluation



Grading is not Assessment

Learning is not Education

Intended Learning Outcomes

Learning goals

Instructional objectives

Standards

Practical learning goals

Practical learning goals



Practical learning outcomes

Curriculum is not Instruction

C - A - I - E

Assessment is not Evaluation

Practical learning outcomes

Distinguishes Observation from Inference

Technical Description

Density of Solid Objects

Density of Liquids

Classification

Proportional Reasoning

Key to Levels of Attainment



Attained, Proficient



Progressing

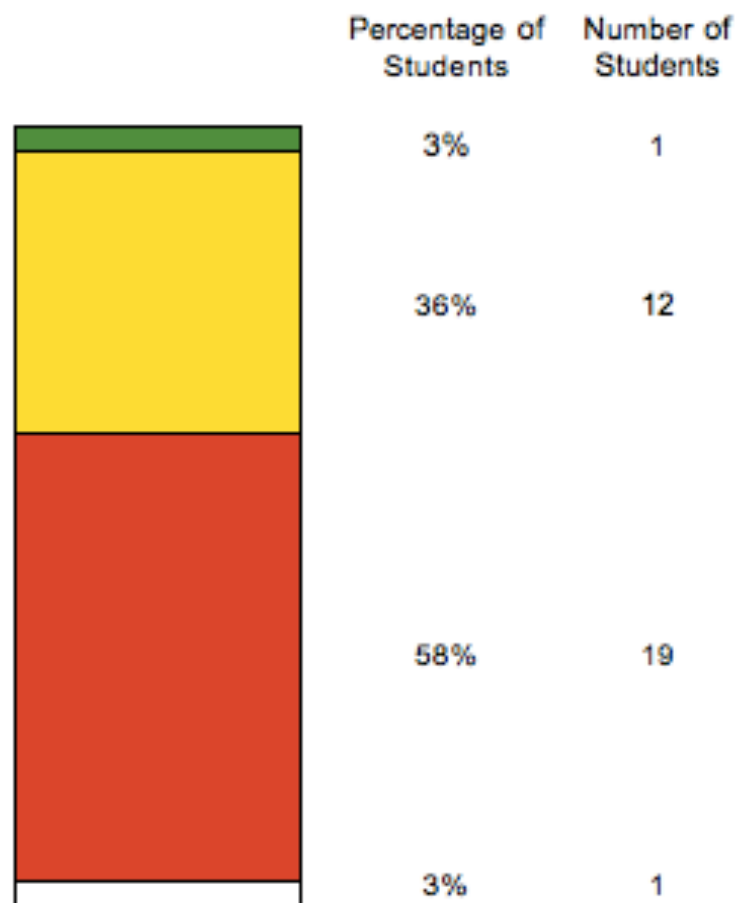


No Evidence of Attainment

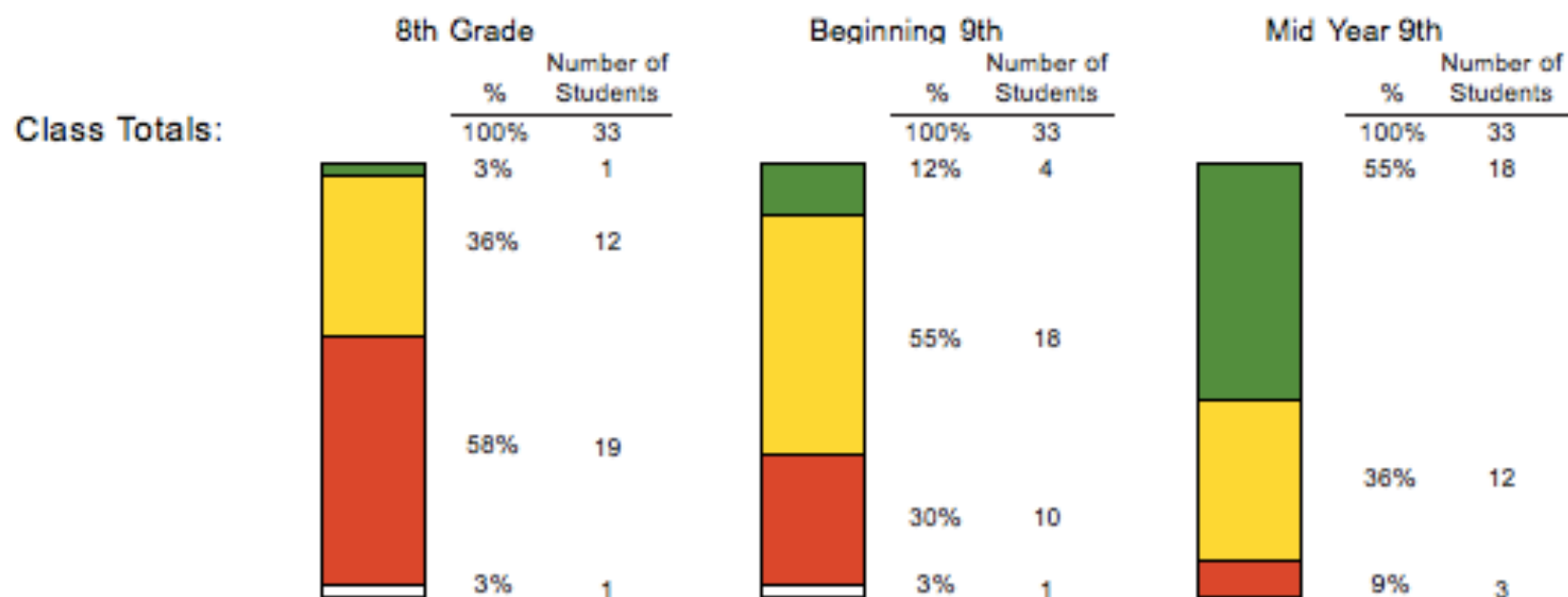


Not Assessed

Density of Solid Objects Performance of All Students in a Class



Density of Solid Objects Combined Classes for One Teacher With Student Detail

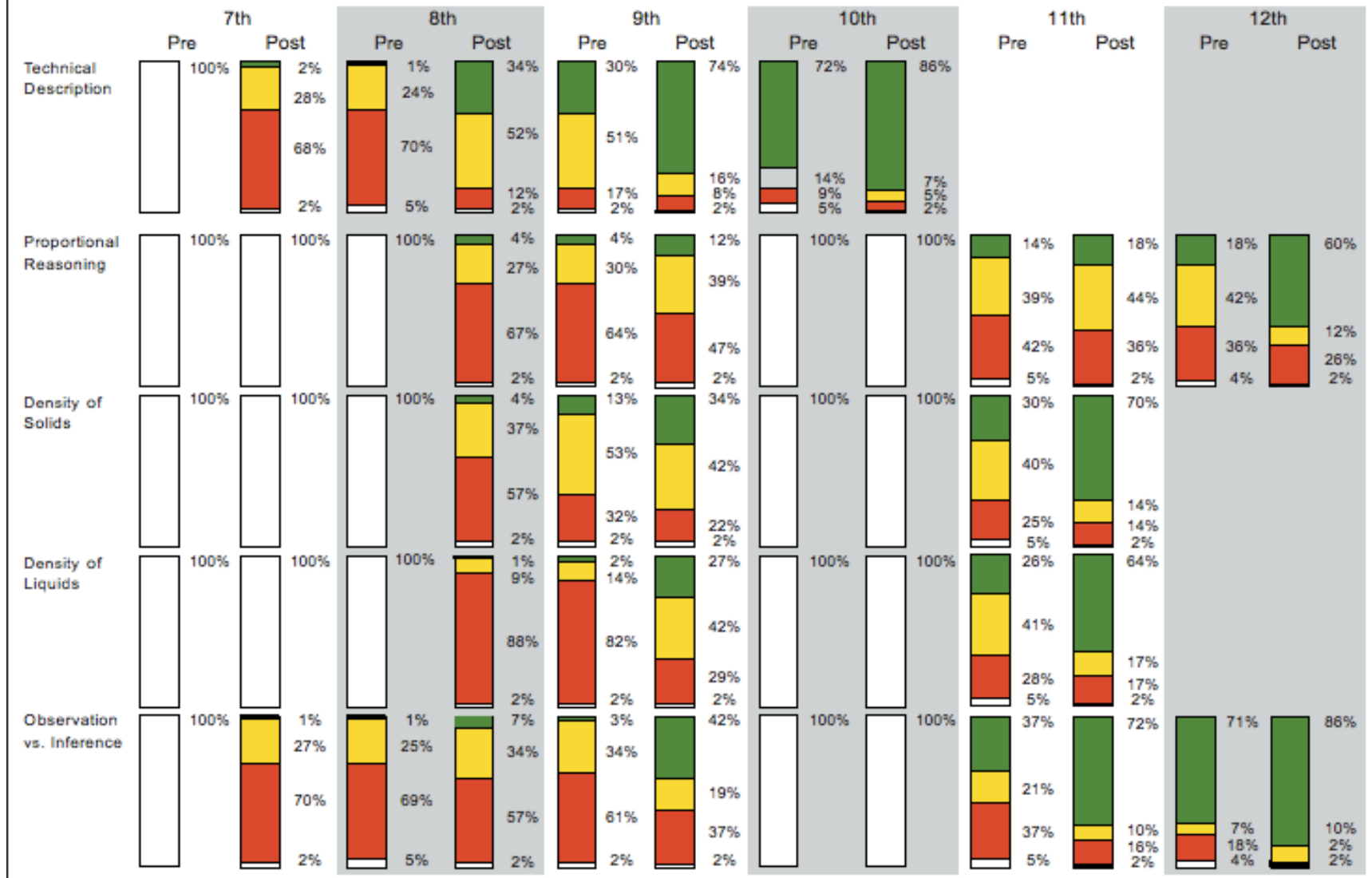


Student Detail

Student A
Student B
Student C
Student D
Student E
Student F
Student G
Student H



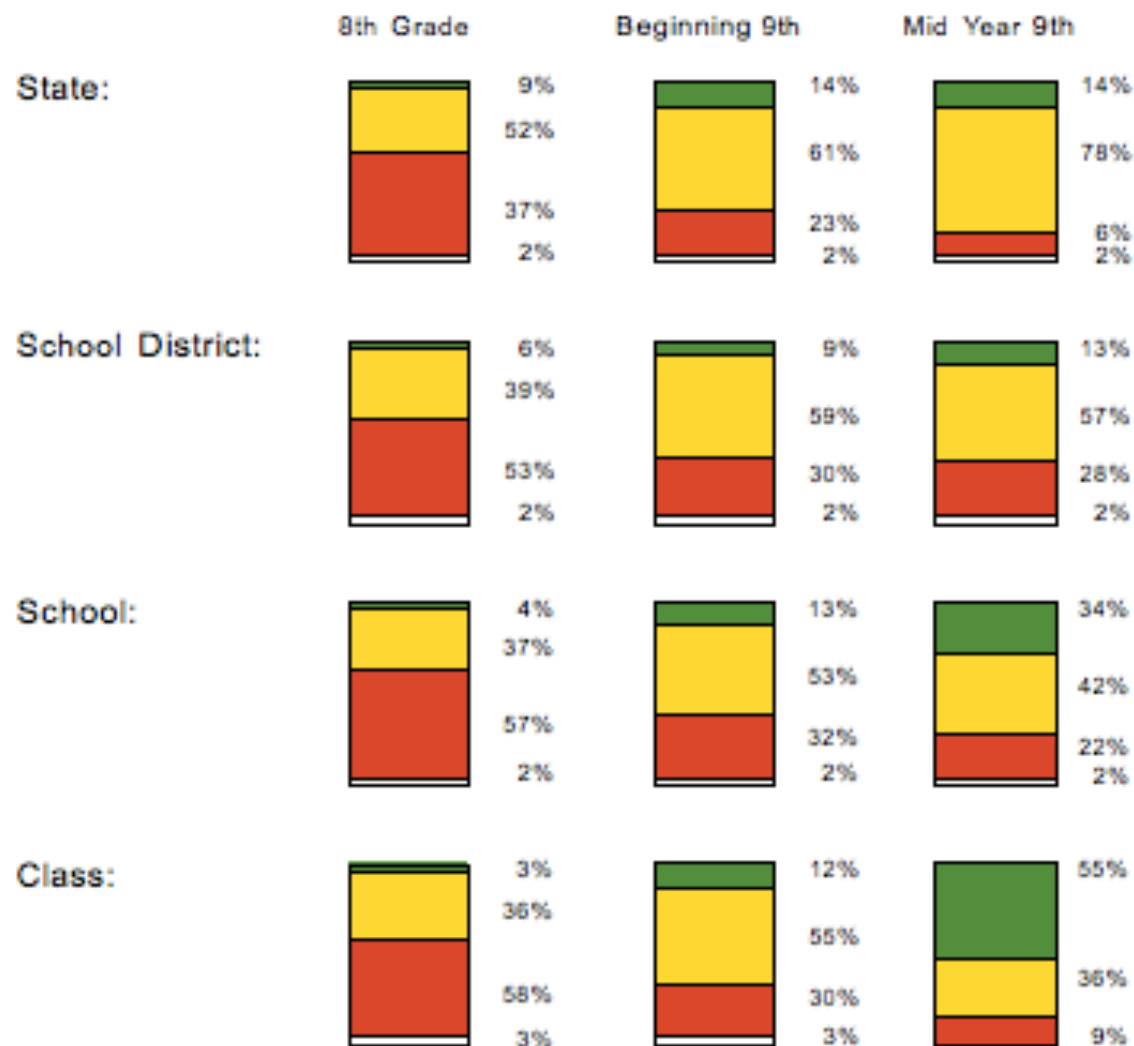
Multiple Learning Goals All Students Within a School

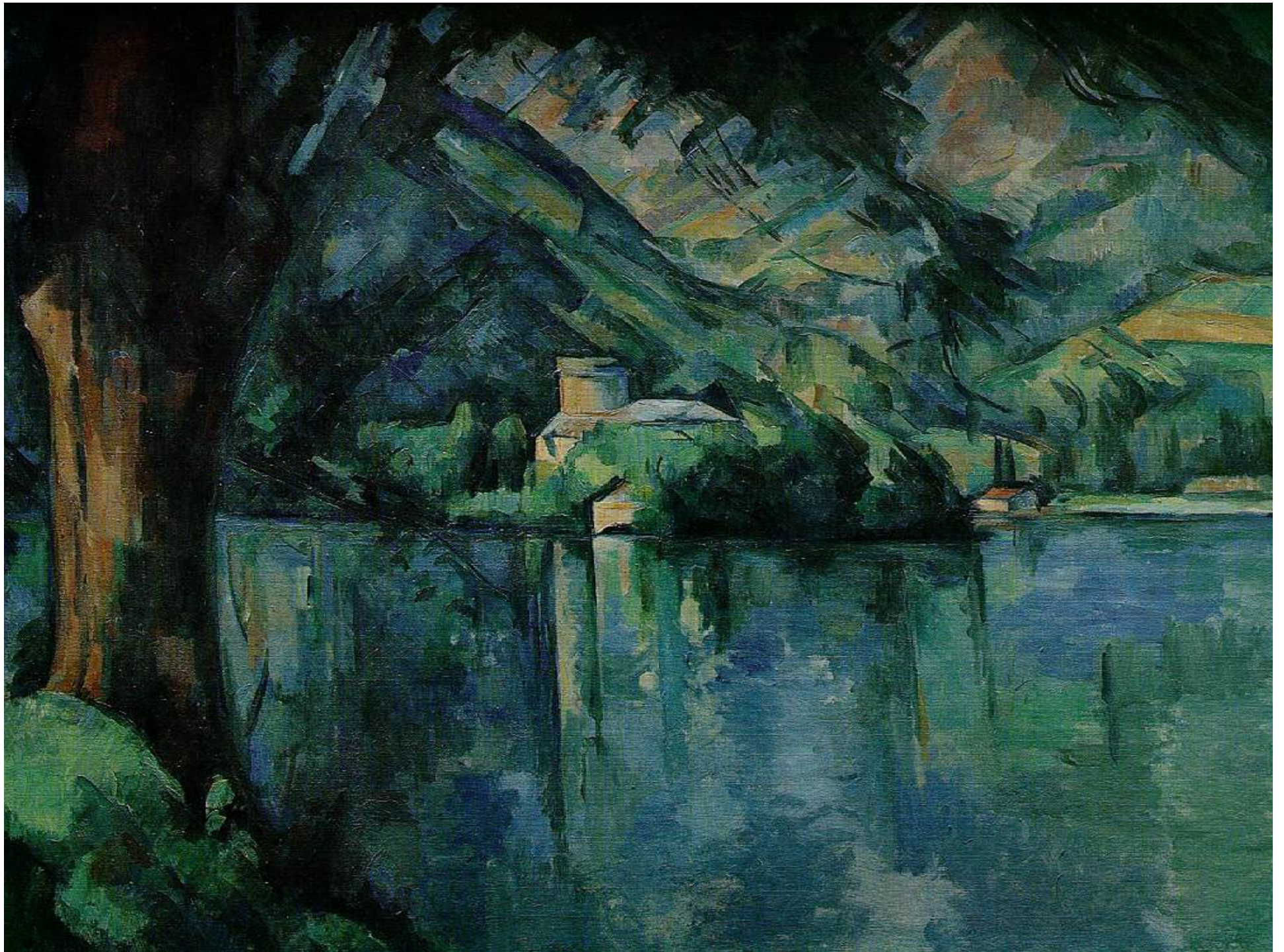


Density of Solid Objects

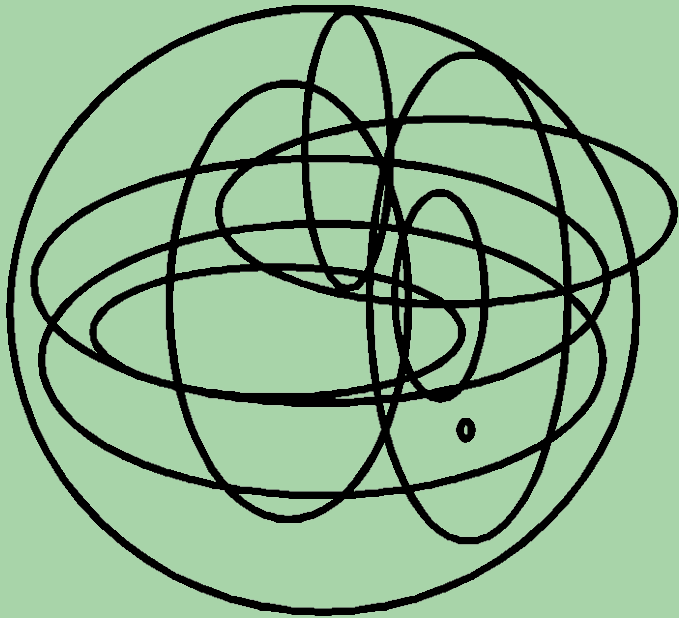
Progress Over Time at All Levels

From the Student to the State





Association for the Cooperative Advancement of Science and Education (ACASE)




Paul Zachos &
Monica De Tuya

<https://acase.org/>

ACASE

ASSOCIATION FOR THE COOPERATIVE ADVANCEMENT OF SCIENCE & EDUCATION



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Who We Are

[What We Believe](#)
[Key Concepts](#)

What We Do

[Educational Assessment](#)
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[Public Policy](#)

Publications

[ACASE Authors](#)
[Mauritz Johnson](#)
[Robert Pruzek](#)

Presentations

[STANYS 2004 Presentation](#)

Our Mission

ACASE – The Association for the Cooperative Advancement of Science and Education – is a group of scientists and teachers who develop systematic ways to make the experience of students deeper and more creative, and to reignite the spark that inspired many teachers to take on the challenges of the classroom.

Today's teachers and students face a number of oppressive problems:

Non-educational use of testing is driving attention away from the important goals of instruction.

Students are memorizing facts, rules, and formulas but are not able to apply them in practical settings.


Most classroom tests are geared to grading and not the improvement of instruction.

Information is not available to teachers, schools, or state agencies on the degree to which students have attained important concepts and process skills.

We have been working with creative teachers and scientists for over a decade to build concepts and technologies that will allow educators to accurately monitor student progress in attaining important education goals and objectives. This, we believe, will lead to a positive and sustainable impact on the problems listed above. Our research ([Zachos, Hick, Doane, & Sargent 2000](#)) indicates that by secondary school age, young people are ready to discover natural laws through direct investigations into phenomena.

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News & Events

[Dynamic Assessment and Evaluation for Post-Secondary Educators – New Course Offering](#)
What are the most important attainments for my students?
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[Dynamic Assessment and Evaluation for Educators –](#)

<http://educationalrenewal.org/forum/>

THE FORUM FOR EDUCATIONAL ARTS & SCIENCES

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COURSES IN EDUCATIONAL ASSESSMENT AND EVALUATION

IMOCs – our answer to MOOCs

We demonstrate and offer ***Intimate, Monitored, Online Courses***. We like to think of them as a needed complement to ***Massive, Open, Online Courses***. IMOCs are competency based. They are structured so that participants develop specific concepts, skills and dispositions. During each course, participants receive assessment reports of their progress in attaining the targeted capabilities. At the completion of the course, participants receive a report that certifies their level of attainment of each of the course learning goals. IMOCs are characterized by intensive interaction between participants and instructors.

Current Course Offerings

EA&E Online – Fundamentals of Assessment and
Evaluation for Educators

NGSS ASTE Workshop

<http://scientificinquiry.org/login.asp>



ACASE Assessment Information System

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ACASE Assessment Information System - Login

Welcome to the ACASE Assessment Information System.

The ACASE Assessment Information System (AIS) is an application geared towards **ACASE's core directive** that "The great educational challenge of our times is to know the learner." AIS is specifically designed for teachers, supervisors, evaluation specialists and educational researchers. It provides critical support for instructional planning to improve student attainment on well defined learning goals.

Graphic displays show individual, student, and class performance on each learning goal. All reports are as current as the most recent assessment and cover the student's entire career - including assessments by prior instructors. This longitudinal tracking allows teachers to observe student performance over the course of a student's career, so a teacher has meaningful information about student performance on outcomes - even before the first day of class.

AIS supports:

- Educational planning for individuals and groups (e.g. classes, boys)
- Educational evaluation
- Action research
- Resource allocation
- Professional development

Want to know more about AIS?

Read more about AIS and us on the ACASE website:
<http://www.acase.org/assessment-information-system/>

Experiment with AIS by logging in as a guest:
USERNAME `guest@guest.org`
PASSWORD `guest`

Discuss AIS directly with us:
Email **Paul Zachos** at ACASE for more information or to set up an appointment for a guided tour of the system.

AIS Members login here:

Email:

Password:

[LOGIN](#)

This connection is not secure.
Logins entered here could be compromised. [Learn More](#)

Forgot your password?

If you have forgotten your password, please ask your teacher to tell the system you need to reset your password.

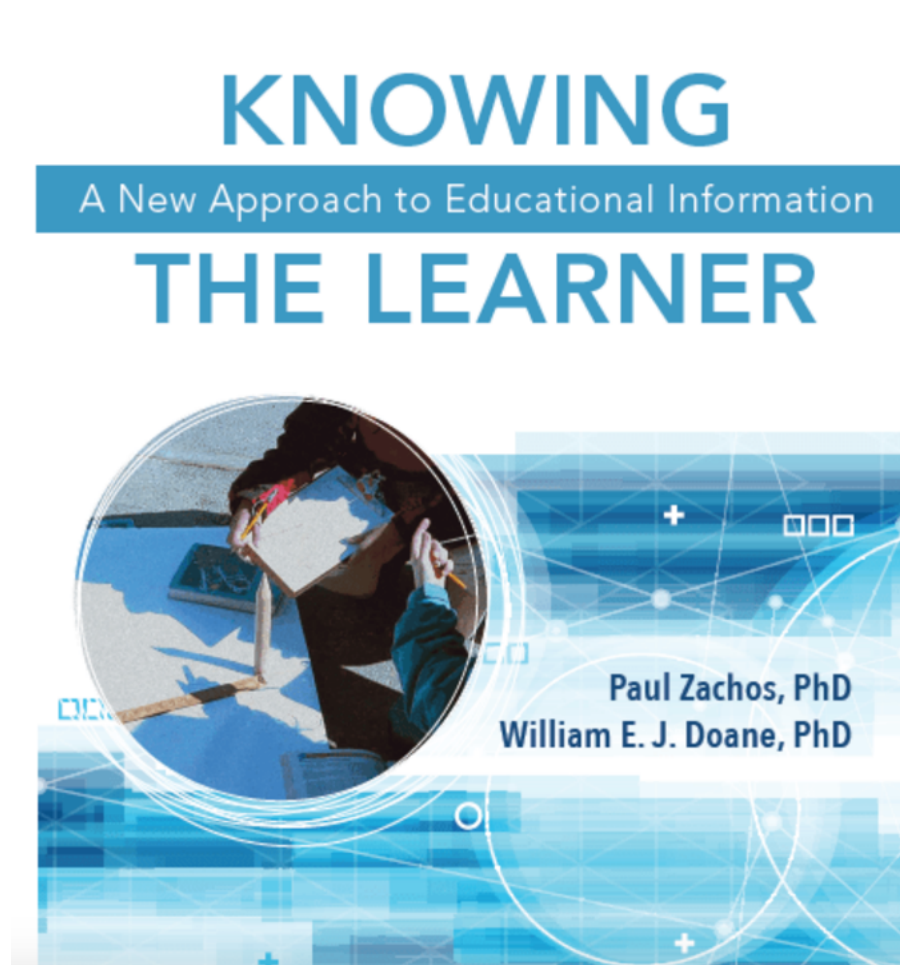
Reset Needed?

[Reset your password here.](#) This will only work if your teacher has told the system that you need to reset your password.

Other Login Problems?

For other problems logging in, please contact ACASE at (518) 583-4645 or paz@acase.org

[http://educationalrenewal.org/
forum/knowning-the-learner/](http://educationalrenewal.org/forum/knowning-the-learner/)



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