

We hosted a presentation and related panel discussion at the Science Teachers' Association of New York State's 2004 annual meeting entitled:

An Alternative Approach to
State Examinations in Science Education

These graphs were shown at that presentation along with supporting slides, etc.

If you have any questions or comments about this material, please feel free to contact us:

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Operational Learning Goal		(key)
	Attained, Proficient	
	Progressing	
	No Evidence of Attainment	
	Not Tested	

This key is used for each of the following charts

Density of Solid Objects Performance of a Class Aggregation: All Students

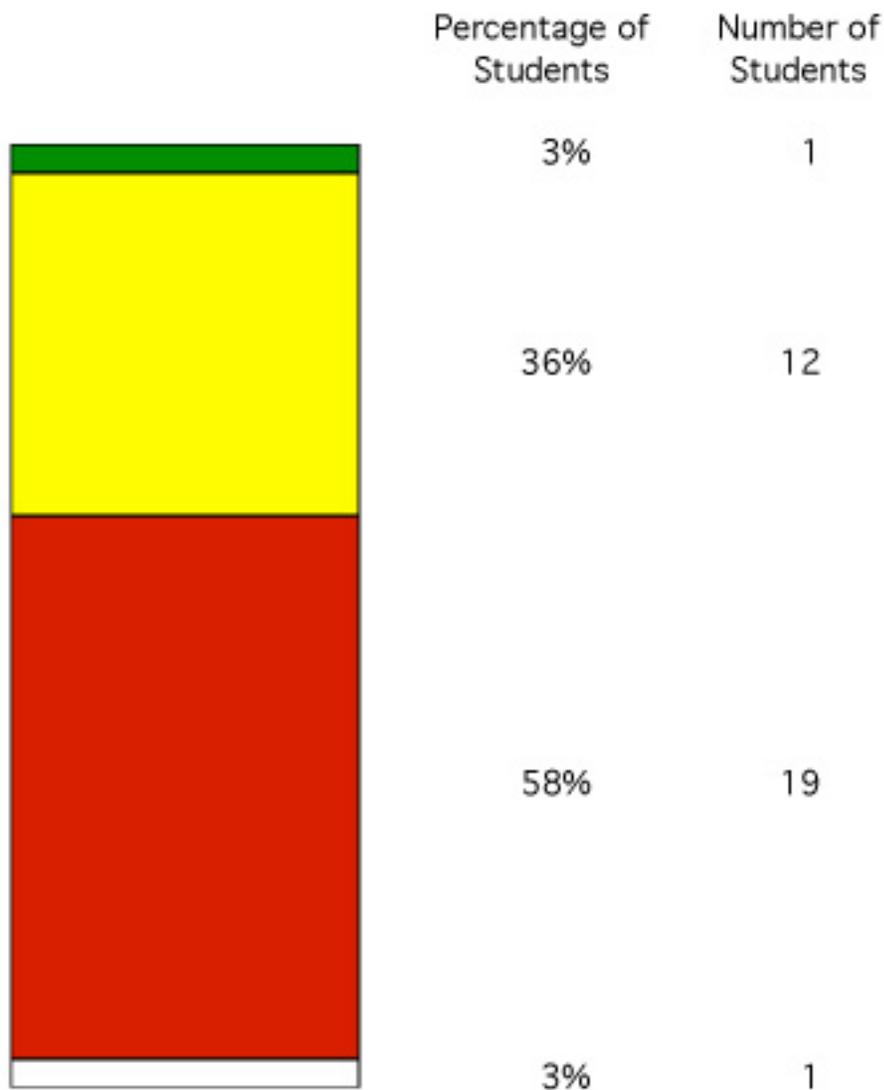
Teachers can immediately gauge overall class progress on important learning goals.

No information has been lost by summarizing the data – teachers have detailed information about the number of individuals at each performance level.

In an online version of this report, teachers can “drill down” in order to determine which students are currently at each level of performance simply by clicking a given color band.

User selectable color codes draw visual attention to possible instructional or attainment issues.

An equivalent report can be generated instantly for any identifiable sub-group.



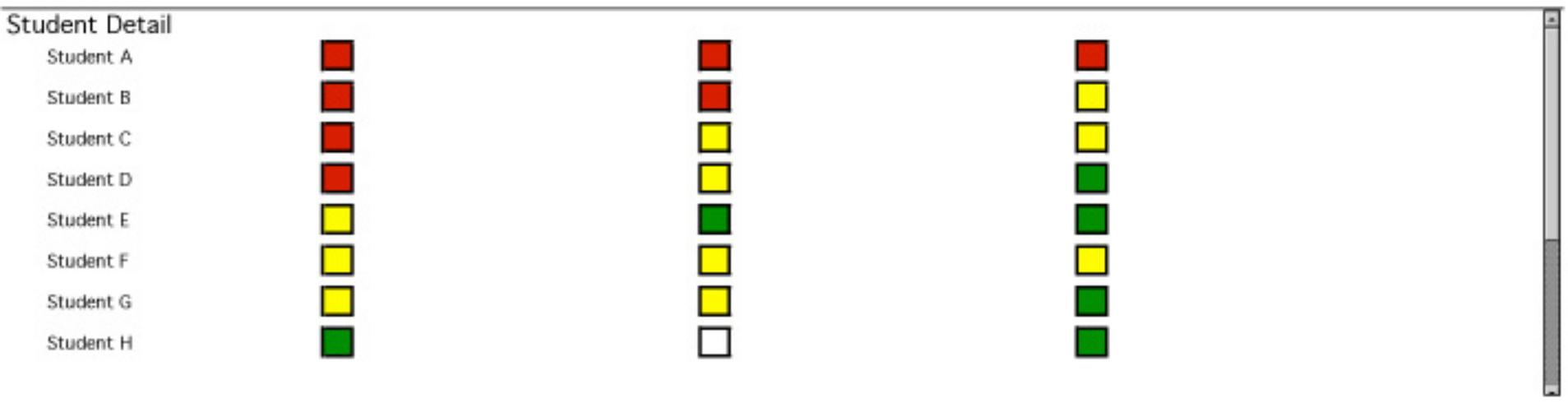
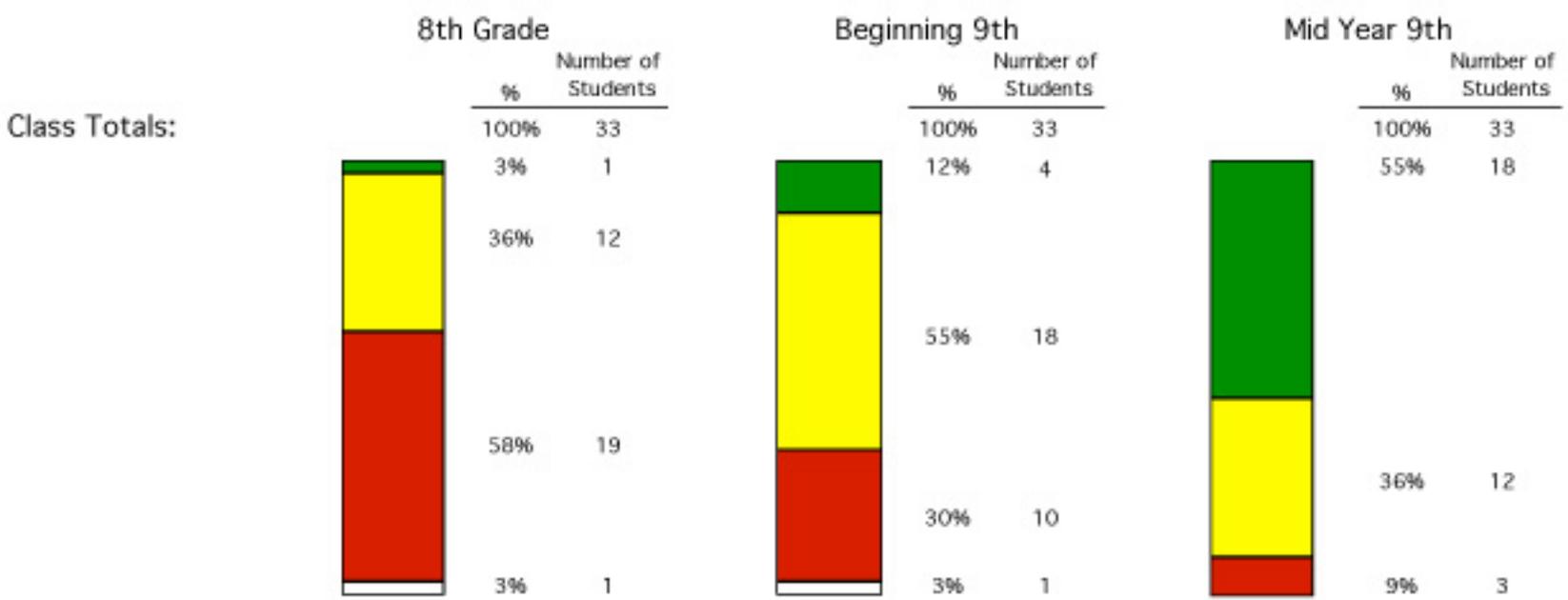
Density of Solid Objects For Classroom Planning Aggregation: All Students

Teachers can gauge individual student and overall class progress on an on-going basis. Teachers need not wait for end of unit, quarter, semester, or year reports. Near real-time assessment information is available to teachers and administrators alike.

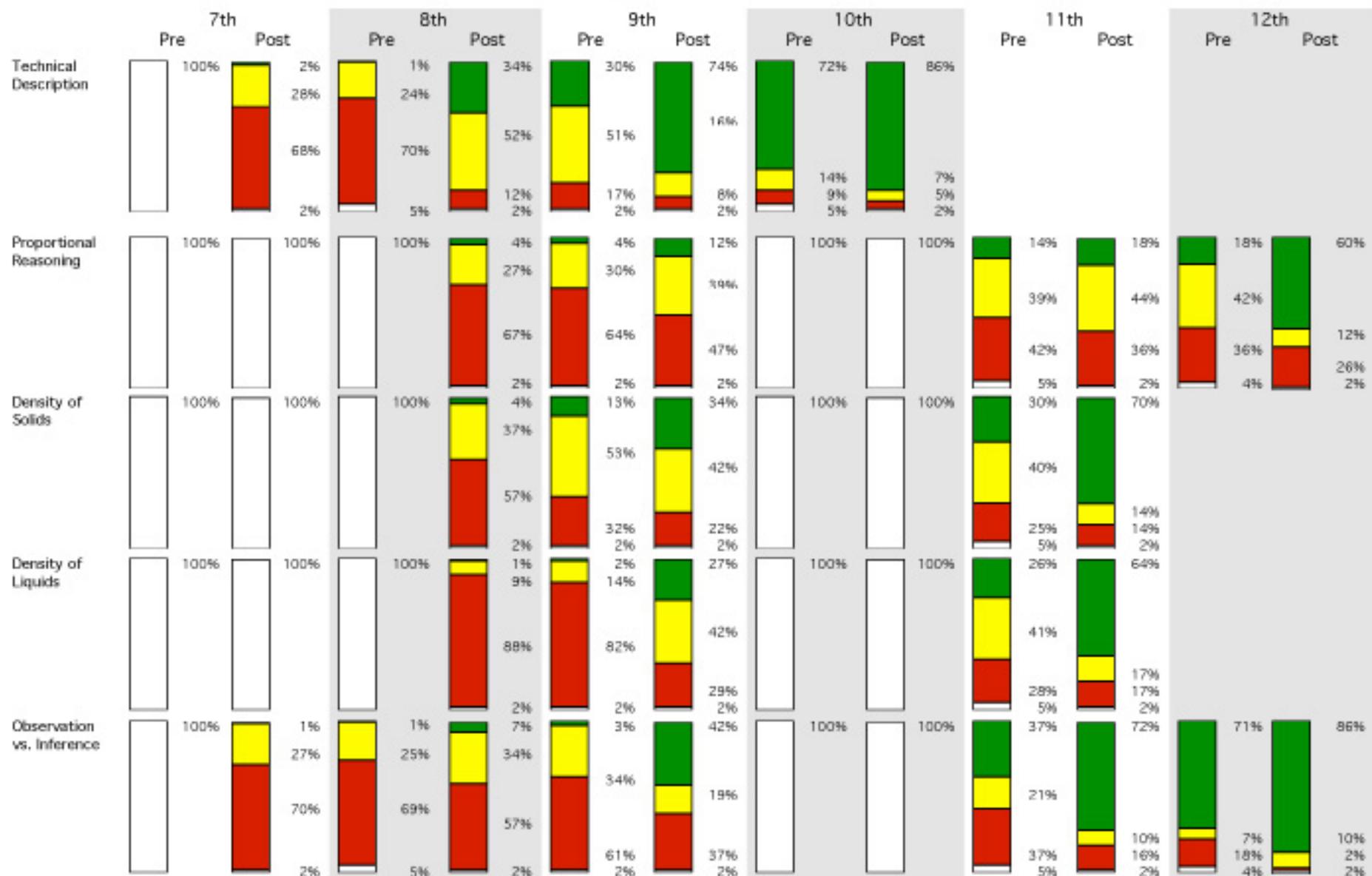
Progress attaining this learning goal is indicated by the increased raw number and percentage of students in green.

User selectable color codes draw visual attention to possible instructional or attainment issues.

An identical report can be generated instantly for any identifiable sub-group.



Multiple Learning Goals School Level Aggregation: All Students



Administrators can monitor school-wide progress across grade levels using the same information used by teachers for instructional planning, namely assessment data based on Operational Learning Goals.

In an online version of this report, administrators can "drill down" in order to obtain more detail simply by clicking a given learning goal, grade level, or color band.

School-wide progress over multiple grade levels can be seen as each learning goal progresses toward more "green".

User selectable color codes draw visual attention to possible gaps in the curriculum or in assessment practices.

An equivalent report can be generated instantly for any identifiable sub-group.

Density of Solid Objects

Progress Over Time

Aggregation: All Students



Teachers, administrators, and policy makers can easily compare class, school-wide, district-wide, or state-wide progress in near real-time. Progress is assessed based on the same unit used for instructional planning by teachers, namely assessment data based on Operational Learning Goals.

User selectable color codes draw visual attention to possible gaps in the curriculum or in assessment practices.

Progress at each organizational level can be seen by reading from left to right.

The selected class has surpassed school, district, and state performance levels by mid-9th grade.

An equivalent report can be generated instantly for any identifiable sub-group.