

Teacher Team Collaboration Doc

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| Team: <i>Earth Science</i> | Team Vision: <i>Everyone gets density (solids, liquids, and gases)!</i> | Team Norms: <i>Start on time No side conversations Everyone participates Set aside distractions Stay focused</i> |
| Meeting Facilitator: <i>Viggiano</i> | Meeting Notetaker: <i>Martinez</i> | Attendance: <i>Elkhart</i> |
| Goal: <i>100% of students can answer questions about the density of solids and 100% can explain the role of density in synoptic weather systems.</i> | | |

| Essential Standard and Learning Target(s): <i>Water: states of matter, temperature, density</i> | | Date: <i>12.15.16</i> |
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| Assessment/Task (that illustrates rigor expectation): <i>Five multiple-choice questions from the last two years of ES Regents exams</i> | | |
| What patterns do you see in the student work? Within a class? Across classes? <i>Density continues to be misunderstood by more than half of all students. Viggiano's classes did slightly better but don't include the inclusion classes. We taught the same lessons and did the same lab so we should look outside our experiences for some remediation suggestions.</i> | | |
| Analysis (Sorting Student Work) | Action (Instructional Responses) | [re]Assessment Plans |
| <i>All questions correct Matt, Antonia, Kaiyden, Nick, Marcus, Dante, Liz, Denise, Monica, Aliza, Sandy, Chris,</i> | <i>During next two lab periods, teams of two independently try to plan an experiment to test the relationship between salinity and density of water near freezing (Ms. Viggiano monitors)</i> | <i>No reassessment needed.</i> |
| <i>Doesn't understand that density remains the same when pressure and temperature are constant Emily, Alana, Elise, Kamrin, Brigid, Rob, Vincenzo</i> | <i>During next two lab periods, watch Khan Academy video about density (Mr. Martinez monitors)</i> | <i>Three Regents questions about density.</i> |

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| <p><i>Does not show understanding of how water's density changes near freezing point.</i></p> <p><i>Khia, Karly, Beth, Jimmy, Ray, Carmine, Robert, Will, Carl,</i></p> | <p><i>Recreates cook-book lab procedures measuring density of water as it cools to freezing; discusses results with Ms. Viggiano</i></p> | <p><i>Three Regents questions about water and it's density at or slightly above freezing.</i></p> |
| <p><i>Shows little or no understanding of density.</i></p> <p><i>Anthony, Carl, Shabree, Lisa, William, Jaun, Tommy, Ron, Craig, Louis, Austin</i></p> | <p><i>During next two lab periods, work with Mr. Martinez -- mini-lecture and hands-on demonstrations</i></p> | <p><i>Five Regents questions about density</i></p> |
| <p>Next time: <i>Water cycle diagrams. Bring the student work.</i></p> | | |
| <p>How did we do today? Review norms. <i>We got a late start so didn't get to talk as much as we wanted to about the water cycle drawing. Try to get started faster next time.</i></p> | | |