

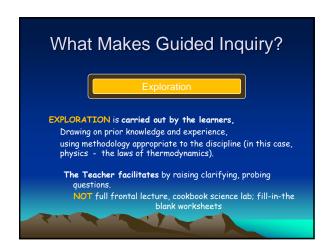
How could the porridge in the Bears' bowls be too hot, too cold and just right?

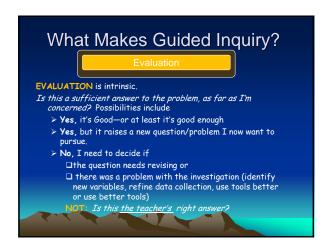
Working with 1 or 2 others:
write an explanatory scenario in your "blue book" that is consistent with your scientific understanding.

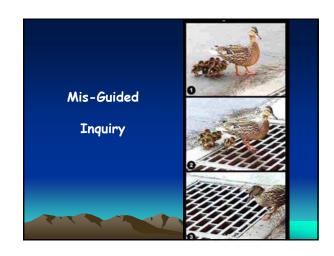
Do we have any volunteers with solutions....!

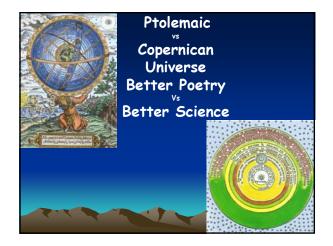


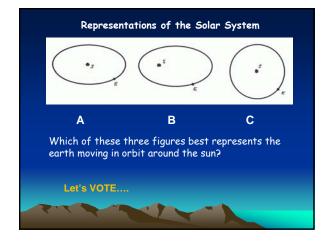




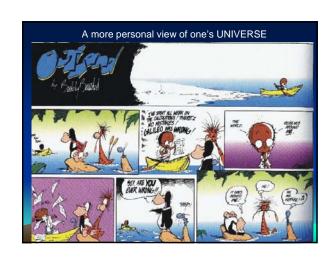


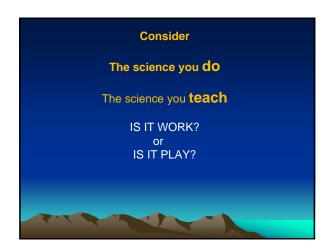




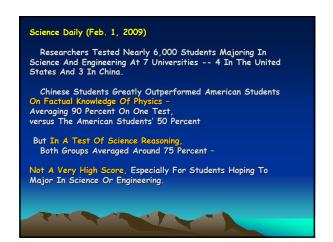


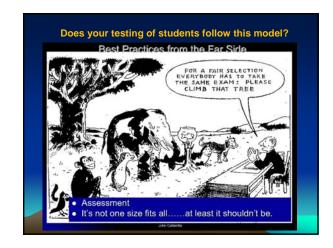




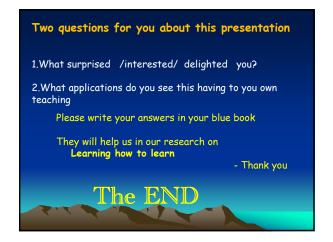












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Love Song from a Hollow Cathode

LINES WRITTEN AFTER SEEING WARREN KREYE'S SPECTROSCOPY EXPERIMENT TO MEASURE THE DOPPLER PROFILE OF THE SPECTRUM OF GOLD FROM AN ARGON-FILLED GOLD HOLLOW CATHODE.

AN ARGON-FILLED GOLD MOL

Area: fleece is too solid suilled stuff for
Love the golden light has an aliy
Function we cannot do without.

If this present argonaut would seek
To know the warmth of golden thrust
In hollowness and thus to find the peak,
Some alchemy must benethe through his air,
Some alchemy must benethe through his air,
That penetrates but will not bind—
Argon makes such golden atmosphere.
So breathe you argon on these my golden walls
And gold to aliy thiness best.
The poem has literary as well as spectroscopic allusions: the Golden Fleece sought by
Japon and the Argonauts hung in the temple of Area, the Greek gold of war and affice,
Japon and the Argonauts hung in the temple of Area, the Greek gold of war and affice,
Ing. Critics cannot decide whether Hamite said: "O' that this too too solid flesh would
milet/Thaw and arrow teelf into devir or "Too to solid.", "Effert in possible and
Mourning.

Our two soulds therefore, which are one, which are one, which are one.

Our two souls therefore, which are one, Though I must go, endure not yet A breach but an expansion Like gold to airy thinness beat.

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Submitted by Gordon Berry, Department of Physics
University of Wisconsin

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W. C. Kreye and F. L. Roesler, J. Opt. Soc. Am. 60, 1100 (1970). For preliminary observations, see also M. Hynes, Appl. Opt. 7, 1809 (1968)