

Fayette County Created Problem Sets

42. **Forensic Math** Gr. 6-8 Math
41. **Ardana Gas Laws** Gr. 11-12 Chemistry
40. **Mowing for Speed** Gr. 9-12 Algebra
39. **Daredevil Train Jump** Gr. 11-12 Physics
38. **Age is Everything** Gr. 11-12 Chemistry
37. **Lift Me Up** Gr. 9-12 Physics
36. **Something's Fishy** Gr. 6-8 Science
35. **Fossil Fury** Gr. 6-8 Science
34. **Slip-N-Slide** Gr. 9-12 Physics
33. **Name That Biome** Gr. 6-8 Science
32. **Equilibrium** Gr. 10-12 Physics
31. **Cows in the Corn** Gr. 6-8 Math
30. **Measuring the Impossible** Gr. 11-12 Chemistry
29. **How Much Do You Order?** Gr. 11-12 Chemistry
28. **Earthquake** Gr. 9-12 Physics
27. **Accident Reconstruction** Gr. 10+ Physics
26. **Kentucky Morin and the Pyramid of Doom** Gr. 7+ Geometry
25. **Revolutions** Gr. 6-9 Physics
24. **Take Me Out to the Ballgame** Gr. 5+ Math
23. **Interstate to Success** Gr. 5-8 Tech. Ed.
22. **Speed Demon** Gr. 10+ Physics
21. **Calorimetry** Gr. 11+ Chemistry
20. **Race to the Finish** Gr. 5-9 Tech. Ed.
19. **Tree Trouble** Gr. 6-8 Life Science
18. **Rock-On** Gr. 5-7 Math
17. **Bombs Away** Gr. 11-12 Projectile Motion
16. **Bungee** Gr. 11-12 Energy
15. **Is the Price Right** Gr. 7+ Math
14. **Stowaway** Gr. 7+ Earth Science

The FCPS project has the goal of preparing and posting 42 new problem sets for middle and high school science and mathematics during the three-year duration of the project.

2005-2006

IMMEX School Contact

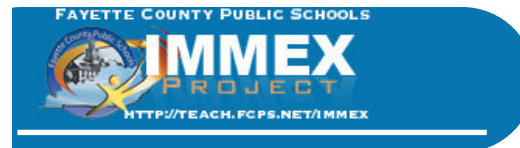
Bryan Station MS	Sonia Fullwood
Henry Clay HS	Karen Gill
Jessie Clark MS	Diana Murphy
LTMS	Joan Comfort
Tates Creek HS	Scot Gill
Morton MS	Kevin Crump
P L Dunbar HS	Jason Swango
Southern MS	Staci Davis
Tates Creek MS	Josh Holley
Winburn MS	Veronica Melton



FOR MORE INFORMATION CONTACT:

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<http://teach.fcps.net/immex>

IMMEX (Interactive Multi-Media Exercises) in the Classroom

ENGAGES STUDENTS in:

- scientific inquiry
- distinguishing relevant information
- planning search strategies
- gathering information
- reaching decisions that demonstrate understanding



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INTERACTIVE MULTI-MEDIA EXERCISES

COMING SOON...on a web-server near you...

IMMEX

- ***A free web-based resource to help teach critical thinking, which...***
- ***Has a unique assessment component allowing teachers to evaluate student content and reasoning skills, and will...***
- ***Provide students with educational problem scenarios, requiring them to use problem solving skills that integrate concepts with real-life situations***

The third **IMMEX Technology Institute** for teachers and students will be held July 10-21, 2006. During this institute, students and teachers from each of 10 IMMEX schools will collaborate with UCLA IMMEX project staff to construct web-based simulations in science, technology, engineering, and math.

The Fayette County Public School District has begun a partnership with the UCLA IMMEX project which is being sponsored by the National Science Foundation.

This is a community-integrated model in which teams of teachers, students, business partners, and higher education faculty construct interactive, problem-solving simulations in summer technology institutes for teachers and students. IMMEX problem cases challenge students to investigate a problem and then provide them with the resources to develop, test, and refine hypothesis to arrive at complex solutions.

To read more about the IMMEX project:

<http://immex.ucla.edu/>

The FCPS IMMEX Project

(Interactive Multi-Media Exercises)

<http://teach.fcps.net/immex>

The IMMEX system, developed at UCLA, provides a web-based structure that provides students with educational problem scenarios ("problem sets") that require the students to use problem-solving skills and integrate conceptual understandings in real-life situations.

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