

FACULTY NOTES

The LTAs and Spinoffs are designed so that each professor can implement them in a way that is consistent with his/her teaching style and course objectives. This may range from using the materials as out-of-class projects with minimal in-class guidance to doing most of the work in class. The LTAs and Spinoffs are amenable to small group cooperative work and typically benefit from the use of some learning technology. Since the objective of the LTAs and Spinoffs is to support the specific academic goals you have set for your students, the Faculty Notes are not intended to be prescriptive. The purpose of the Faculty Notes is to provide information that assists you to take full advantage of the LTAs and Spinoffs. This includes suggestions for instruction as well as answers for the exercises.



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SPINOFF 8C

Pressure and Volume

This Spinoff is a CBL™ activity designed to help students understand the relationship between pressure and volume. You will need a TI-82™ or 83™, a CBL™, a pressure sensor, and the program. An excellent activity is one in the book “Real World Math with the CBL™ System” by Brueningsen, Bower, Antinone, and Brueningsen, published by Texas Instruments. Programs are included on a disk and can be stored on your computer and downloaded to your calculator with the TI-Graph Link™. There are 25 activities in the book, and they are suitable for many levels. The pressure sensor is available from Vernier Software.