

Microbial Production of Biofuels

Sponsored by Tech Prep

August 7-10, 2007
9am – 1pm
TC3 main campus – Dryden
Dr. James Jacob, facilitator

This workshop will provide knowledge and tools for 7-12 grade science teachers to direct student experiments exploring the parameters that influence the fermentation process. Participants will investigate the role microbes serve in the fermentation process. During the workshop the process of fermentation of biomass into ethanol will be completed. Participants will be able the scientific method and use raw materials to produce sufficient bioethanol to power an engine.

In addition, roundtable discussions will address present and future needs of the high school science teacher to implement inquiry-based labs that adhere to state and national science education standards.

Participants who plan to use this material with their students will be provided a biofermentation unit to scale up the fermentation process designed by their class. The resulting mash will be distilled at TC3 and the ethanol used to power a lawn mower engine. This project ties together student inquiry, the scientific method, and direct application of the final results.

Lunch will be provided. Professional development credits or a stipend may be available depending on grant funding.



RSVP by June 18th

Victoria Zeppelin – zeppelv@tc3.edu or 844-8222, ext. 4328

Rhonda Kowalski-Oltz – kowalsr@tc3.edu or 844-8222, ext. 4396



Intermediate Adobe Flash

Sponsored by Tech Prep



Facilitator: Bob Edgecomb, consultant & trainer

Series A: Tuesdays, October 16, 23, and 30 or
Series B: Wednesdays, October 17, 24, and 31
(both series are identical - register for one series)

4:00-7:00 PM

Nancy S. Lieberman Ithaca Extension Center
118 North Tioga Street, Room 515 (5th floor)
Ithaca Commons, Ithaca NY 14850

This workshop will help you develop complex animations that incorporate movie clips, sound, and video using Adobe Flash. You will use Flash's programming language, ActionScript, to control the behavior of elements in a movie by importing and tracing bitmap and vector graphics, and creating movie clips and animated buttons. You will also define variables and create actions that are conditional on the activity of the user. You will build other ActionScripts that add interactivity to movie clips, modify movie clip properties, link to external websites, collect and process data from forms, and load other movies. Other activities include incorporating sound and managing its synchronization to ongoing animations and importing video and converting it to a Flash Video file format (FLV).

Prerequisite: Introduction to Adobe Flash workshops or equivalent knowledge.

Refreshments provided. Stipend available for participants from TST/OCM school districts.

Parking is available in the public garage at the intersection of Seneca and Tioga streets – across from the Hilton Hotel. For directions to our Ithaca Extension Center, visit http://www.tc3.edu/about_tc3/directions.asp. The Center is located in TC3 Tioga Place, above the M&T Bank.

Register by October 3 on My Learning Plan. Go to <http://www.tstboces.org> and scroll down to click on the MyLearningPlan link. Questions? Please contact Victoria Zeppelin, Tech Prep Director, at 844-8222, ext. 4328, or zeppelv@tc3.edu



Office 2007 Training



*Learn the differences between
Microsoft Office XP (2003) and the new Office 2007*

**June 24, 2008
TC3, Dryden – Computer Lab Room 209**

8 AM – 4 PM

Facilitated by Lori Wahila, consultant and trainer

Tentative Agenda:

Morning Session – Word & Excel

Afternoon Session – PowerPoint & Access

(Lunch will be provided in the Sprole Conference Room 204)

This training is to provide teachers with the necessary knowledge to teach all CAPS & OFFC courses that will be using Microsoft Office 2007 in the Fall 2008 semester.



Register by **June 16** on My Learning Plan. Go to <http://www.tstboces.org> and scroll down to click on the "MyLearningPlan" link.

For more information or to register directly, contact Rhonda Kowalski-Oltz, CollegeNow Secretary, at kowalsr@tc3.edu or 844-8222, ext. 4396