



Inventucation Centers™

Featuring

Edison's Laboratory™

&

**Educator to Inventucator™
Teacher Technique Training**

What is Inventucation™?

Inventucation™, as defined by the nationally-recognized organization, Partnership for America's Future, Inc., combines both the words "invent" and "education". The theory behind the creation of this word is that all invention is the result of an innovative, creative way of learning. Today's education is primarily based on curriculum, which stresses specific subject matter. This new "inventucation" technique is compatible with any existing curriculum in both the Arts and Sciences and trains the teacher to use a method by which creative thinking, critical thinking and innovation, with a hint of invention, are applied to existing educational concepts. The fusion of invention and scientific or artistic principles results in "inventucation".

Inventucation™ Technique Training

The mission of the *Inventucation™ Technique* is to train teachers to view their existing curriculum in a new and innovative way. This training enables teachers to break the old paradigms that hamper them from seeing the full potential of their own subject matter, and therefore it empowers teachers to inspire students to use this subject matter not only as basic knowledge, but also as a springboard for lifelong creative/critical thinking. This encourages innovation, invention, and entrepreneurship—be it in the scientific or technological fields, or the arts (including writing, art, music, film, etc.)

The *Inventucation™ Technique Training* can be accomplished in three ways:

1. As an on-site training program conducted in a school, church or other facility.
2. Via the internet, with interactive dialogue between the trainers and the trainees.
3. Via distance learning video conferencing equipment, with follow-up e-mails, phone coaching, and hard copy mailings.

The training would require at least one, on-site visit by the national trainers. This training can be customized or tailored to fit a specific curriculum, age group, class size, and time restriction. Typically the training will last one week with follow-up dialogue via e-mail or phone. However, the training can be done as an after-school program, or a Saturday enrichment class.

Fundamentals of the “*Technique Training*”

The *Inventucation™ Technique Training* is a method of teaching that encourages students to think innovatively, using the curriculum being taught in school, and to find concrete problems which lead to inventions and/or products in the fields of Arts and the Sciences.

The training:

1. is a frontrunner in Science, Math Technology, and Computer Science, which inspires the development of an invention.
2. supports the creation of original works ---such as artwork, poetry, film,. music compositions, and architecture.
3. aids in the development of a materials list needed to create a prototype.
4. provides mentoring and coaching via online e-mail support, phone discussion, video conferencing, or direct mail information to proceed from prototype to final product with the tutoring of a list of partner corporations.
5. stimulates the use of research tools including a student built internet computer, library resources, and business mentors.
6. evaluates student innovations which have possible marketability as either educational/teaching products (see the Frey Scientific Catalog) or products that could be sold through other sources nationwide.
7. aids in the development of a business plan for selling the invention/product, including marketing, sales and accounting information.
8. develops the spirit of entrepreneurship and the confidence to market a product with the possibility of using that product to form a business.

Educational and Cultural Outcomes

The *Inventucation™ Training Technique* focuses on developing innovation and creative/critical thinking skills. The primary educational outcome would be to enlighten teachers and students in any given curriculum by breaking paradigms and rethinking subject matter. This training emphasizes imagination and spontaneity.

This technique training does not require any new curriculum, but rather it builds on existing materials. The three major positive outcomes as a result of this training are:

1. better attendance
2. improved behavior
3. higher national achievement scores

Also, this training will foster student confidence and success. With higher self-esteem and positive attitudes toward learning and specific subject matter, students will have more self discipline and an increased enthusiasm for learning. Students will develop self reliance, curiosity, and perseverance. They will learn teamwork skills and cooperation, as well as the ability to accomplish goals that they set for themselves. These educational outcomes translate into qualities and skills that result in better employees in the workplace. With successful, confident, self-disciplined workers, the training needed in businesses will be considerably decreased.

The ultimate result of this training is to possibly develop original educational products, which could help the teacher better explain the curriculum, or to invent commercial products (i.e. *the better mousetrap*), which could be marketable worldwide.

Inventucation™ Equipment

There is a basic equipment list which is required for a start-up training program. This includes a specially developed DVD library to reinforce educational concepts, which will help to launch critical thinking and innovation (K-12). The *Inventucation™ Technique Training Manual* is part of the initial registration for the program. Distance learning components will be needed to provide ongoing coaching and interaction between the students or trainees and the trainers once the formal training period has ended. **Edison's Laboratory** may consist of a dedicated area for developing invention prototypes.

Starting a Center

If your institution is interested in starting an *Inventucation Center* and/or becoming an *Inventucation™ Training Center*, contact:

The National Museum of Education

80 W. Bowery St., Suite 305

Akron, Ohio 44308

330-376-8300, FAX 330-376-0566

www.nmoe.org • info@nmoe.org

Begin securing funding from local, regional, state or national sources. Locate a facility in which to provide the training. Initiate talks with local or state school officials and community leaders or businesses.

Possible Funding Sources

Local, State and Federal Grants; Foundations; Individual, Private and Corporate Donations; Participant Registration Fees

Inventucation Centers™

are sponsored by

and administered by

© 2003, 2007 NMOE.ORG • All Rights Reserved

