

# Commercial Explosives & Blasting

## A special Two-Day Training Program

*Help your crew become safer and more efficient blasters!*



## Class Outline

### Day One - Classroom

- Introduction of Instructors and Students
- Review of our *Explosives Training Classification System*

### ATF Laws and Regulations

- ATF, Federal and State Regulation Agencies
- MSHA & OSHA Federal and State Safety Regulation Agencies
- ATF Federal and State Licensing Requirements
- Storage and Transportation
- Safety and Security
- ATF Permit or License Process

### Explosives Classified and Defined

- Review of Commercial Explosive Materials
- Review of Blasting Agents and Boosters
- Review of Blasting Caps and Fuses



## Controlling Explosives Energy

- Tamping, Stemming and Mud Capping
- Shaped Charges
- Counter Force Charges

## Commercial Blasting Applications

- Hard Rock, Boulders & Concrete
- Stumps, Logs and Wells
- Drilling Hard Rock
- Surface and Underground Blasting Patterns

## Leadership and Teamwork

- Traits of High Performance Teams
- Increase Efficiency and Innovation through Communication and Collaboration
- Become a *Leader of Leaders*



## Day Two – Field Blasting

- Safety Procedures Review
- Explosive Material Review
- Students form into Teams
- Teams take turns completing Blasting Missions
- Missions include;
  - Demonstrate three types of Blasting Caps
  - Crushing Boulders
  - Splitting Logs
  - Cutting Steel
  - Multi Nonel shots
  - Drilling and Shooting Hard Rock
- Final mission requires all teams to communicate and work together for a multi-shot challenge
- Class Debrief
- Awards Ceremony

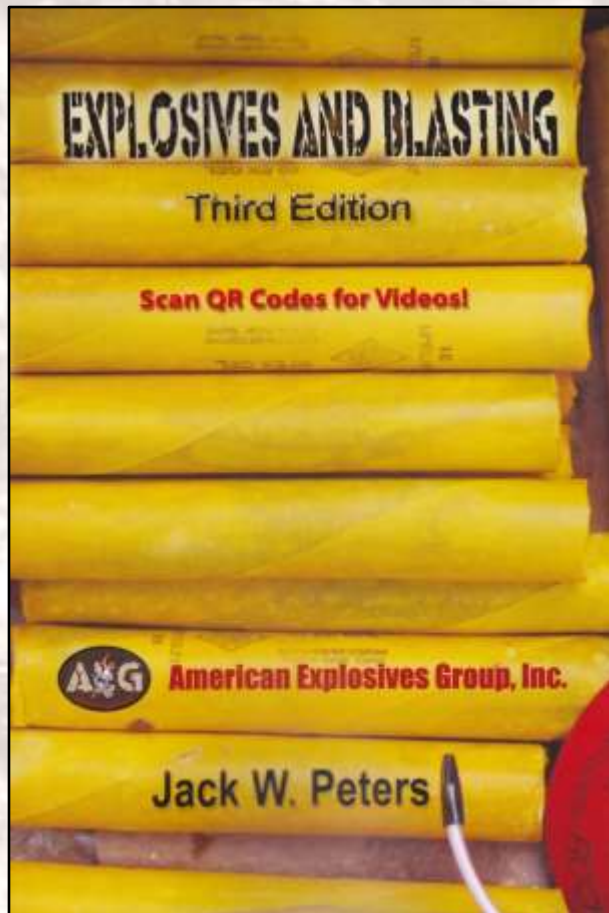
## All Classes Include

- *Explosives & Blasting* text book
- Experienced Instructors that carefully train and supervise students
- Explosive Materials
- Safety Equipment: Hardhats, Glasses and Hearing Protection
- Training Certification with an Explosives Level Classification

## *Our Class Text Book*

# **EXPLOSIVES & BLASTING Third Edition**

By Jack W. Peters with Daniel J. Tanner & Andji Kasper  
Duane R. Mattson, Tyson Kreiger and Matt A. Byers



*The Official text book of American Explosives Group!  
An excellent resource for Miners, Contractors, Pyrotechs & Public Safety.*

- ⊕ Explosives Classified and Defined
- ⊕ Learn Commercial Blasting Applications
- ⊕ Rock Drilling and Blasting
- ⊕ ATF Laws, Regulations & Licensing Info
- ⊕ Information to obtain your own ATF License
- ⊕ Important Reference Data



Scan QR Codes with your phone to watch our Youtube videos!  
**313 pages, over 200 images, 8 QR code video links**

***Every copy autographed, buy direct or on Amazon.com today! \$29.95***



# Training Classification System

After response from our clients of no national or international explosives training classification system, we created our own. This is critical to manage how much training and experience your blasters have.

## C Level Blaster in Training

Classroom: 16 to 40 hours      Experience: Up to one year  
Can conduct fieldwork under the supervision of A and B Level Blasters

## B Level Experienced Blaster

Classroom: 40 to 80 hours      Experience: Over one year, less than five years  
Can conduct fieldwork under the supervision of an A Level BIC

## A Level Blaster in Charge

Classroom: Over 80 hours      Experience: Over five years Can manage, supervise and conduct blasting operations as a BIC, A Level Specialist

A Specialist has the minimum of one additional year of training or experience in their area of expertise. This allows the Specialist to manage, supervise and instruct in one or more of the following categories:

**Avalanche**  
**EOD-IED**  
**K-9 Detection**  
**Rock - Quarry**

**Breaching**  
**General Construction**  
**Military Munitions**  
**Rock – Underground**

**Demolition**  
**Instructor**  
**Pyrotechnic**  
**Seismic Engineer**

Using this Classification System helps reduce accidents and liability by allowing us to document this training information so your blasters can work in their appropriate roles. For example, our clients have created guidelines that include the following:

- C Level blasters work under the direct supervision of A and B Level blasters.
- B Level or higher is needed for transporting or managing explosives storage.
- A Level is required to manage a field operation as a Blaster in Charge.





## ***Our Core Instructor Team:***



### **Jack W. Peters**

**President and Founder, Instructor**

Jack is an explosives specialist as well as a speaker, author and adventurer who travels the country and the world for speaking and training for explosives, leadership and teambuilding. Clientele includes a variety of U.S. public safety agencies and organizations including friendly foreign military units as miners and mining companies as well as executives from the top Fortune 500 corporations. Jack is also the explosives and GPS specialist on Discovery Channel's series, *Treasure Quest*.



### **Tyson Krieger**

**Vice President and Instructor**

Tyson is an explosives and fire science specialist who is also the Fire Chief of the *Gold Beach, Oregon Fire Department*.



### **Duane R. 'Matt' Mattson**

**Instructor and Special Explosives/Anti-Terrorism Consultant**

Matt travels the world as an explosives and anti-terrorism specialist and trainer. His credentials are longer than we can list here, but they include; U.S. Army Ranger and Special Forces with a specialty in demolition and engineering, Washington State Inter-Agency Bomb Squad, SWAT and Explosive Breacher. He is also a former police officer and commercial blasting company owner.



### **Matt A. Byers**

**Instructor & Demolition Specialist**

Matt is an explosives specialist from Florida with a 13 years of experience in explosive demolitions.



## There is what our Alumni are saying!

"We wanted to thank you again for the training. We all enjoyed the class and got a lot of good information. It definitely helped our confidence level with blasting work. The teambuilding information was helpful and we would like to apply the information to our crews to further improve our teams."  
Jeff Gillan, D Construction, Inc. Coal City, IL

"Thanks again for the wonderful training experience Jack. I appreciate the opportunity you gave me."  
Dr. Robert Kugel, Washington State

"I wanted to thank you for the class last November. I certainly learned a lot. I made it through UXO training and wanted to let you know that some of what I learned in your class helped me during the training. It was a good base to be comfortable with some of the concepts and a good understanding of them helped pave the way during some learning points." Thank you!  
Tyler Bergstrom, Alaska

"Although I have been working with explosives for a number of years, I found the American Explosives Group class to be thorough, informative and enjoyable. Jack exposed me to some new ideas and held my attention, even during the regulatory requirements portion of the class." Vic Elam, Hartford, Kansas

"I just got my ATF license/permit and couldn't be happier. Thank you for putting on a great class. My ATF agent said I had an application perfection, the first one she'd seen. I most certainly couldn't have done it without your class!" Tim Fleener

"I wanted to thank you for the class last November. I certainly learned a lot. I made it through UXO training and wanted to let you know that some of what I learned in your class helped me during the training. It was a good base to be comfortable with some of the concepts and a good understanding of them helped pave the way during some learning points."  
Thank you, Tyler Bergstrom, Alaska

"Although I have been working with explosives for a number of years, I found the American Explosives Group class to be thorough, informative and enjoyable. Jack exposed me to some new ideas and held my attention, even during the regulatory requirements portion of the class."  
Vic Elam, Hartford, Kansas

"I just got my ATF license/permit and couldn't be happier. Thank you for putting on a great class. My ATF agent said I had an application perfection, the first one she'd seen. I most certainly couldn't have done it without your class!"  
Thanks, Tim Fleener

"This class is amazing! There is no other program like this anywhere else to get this kind of hands on experience,"  
N. G. Dordon, Grants Pass, Oregon

"Thanks for a great class in November, 2012. I learned a lot on blasting, explosives, laws, paperwork, etc because you broke everything down so good on the first day and answered every question we had. The 2nd day was great because of all the information you gave us and all the hands on we got with the explosives. I will and have told friends and co workers about your classes and i cant wait to get some time to get to a 2nd class of yours."  
Thanks, Jason Duda miner at NV milling & mining LLC

"I learned more usable knowledge about explosives in two days than I though was possible. Great course well worth the time and money. Excellent job Jack. Thanks again."  
Jeff K, Gold mine owner, Nevada

"I recently attended one of the two-day courses and found it to be well worth the time and effort it took me to drive to western Oregon from Austin, Texas. I heartily recommend this course to anyone wanting to learn blasting or obtain their ATF explosives permit."  
Franklin Roberts, Austin, Texas

"EXPLOSIVES and BLATING is one great book!"  
Charles Harrod, owner, Blasters Tool & Supply

Blew my socks off" I learned more than I ever imagined. The team couldn't have been a more professional and enjoyable group of individuals."  
Jamol DeClair, Syfy's Ghost Mine, Portland, Oregon

**Check for our class schedule on our website  
and contact us for a class today!**



**AMERICAN EXPLOSIVES GROUP, Inc.**

Office 541 554-6720

info@americanexplosivesgroup.com

[www.americanexplosivesgroup.com](http://www.americanexplosivesgroup.com)