

IAAP Community Education Resources Library

The IAAP has many excellent educational materials in stock to help support our members' mine tours and classroom visits. Most materials are free for the asking; other resources may be borrowed for use during classroom visits and mine tours. All of these educational materials are top quality products you will be proud to give away or use.

For teachers and public meetings

- “Aggregates & Industrial Minerals the Foundation of Our World” This colorful brochure produced by the IAAP highlights the importance of aggregates and industrial minerals to our society, how much are used, sustainable mining, safety, permitting and the economic benefits realized from mining and road construction.
- “Industrial Minerals in Illinois: A Key to Growth” pamphlet published by Illinois State Geological Survey highlights resources for growth, value of industrial minerals, transportation costs, maintaining access to minerals, guidelines for use, quality of life, research in service of growth, and shared financing for shared benefits.
- “Construction Aggregates and Silica Sand in the Economy of Illinois” research paper published by the Illinois State Geological Survey explains the economic effects of mining on jobs and the economy of Illinois as well as concerns related to resource availability.
- “Economic Impact Analysis: The LaSalle County Mining Industry” report published by Northern Illinois University looks at the economic benefits to communities from mining in LaSalle County, Illinois.
- “Mineral & Rock Kits” containing samples of minerals & fossils, industrial rocks, geological and fuel minerals, and by-products found in Illinois. These kits also contain a detailed rock and mineral ID key plus a list of end uses linked to each sample.
- The IAAP produced DVD entitled “The Aggregate Industry of Illinois” together with a colorful brochure about our industry. The IAAP video and brochure are designed to help educate the general public about the critical importance of crushed stone, sand and gravel and could serve as a nice introduction to a unit on earth science. Running time: 13 minutes.
- A poster developed by the National Energy Foundation (NEF) entitled “Construction Materials”. This beautiful, full-color educational piece provides a unique approach to the pivotal role building construction plays in society. Many of the world’s most famous structures are depicted, along with outstanding minerals educational information. The back of this poster features 8 reproducible panels with activity and instructional ideas.
- A poster and accompanying fact sheet from the Mineral Information Institute entitled “Look Around -- Everything Is Made of Something”. The poster shows how aggregates and other mined products are used to build a home. The accompanying fact sheet includes a minerals/end use matching game suitable for use in the classroom.
- IAAP Illinois Teachers Workshop CD. Contains handouts and activities to print and links to educational resources that aid in teaching earth science and mining to elementary and high school students.

For students in grades Pre-K to 3rd

- An attractive coloring book entitled “The Story of Cubee the Aggregate.”
- IAAP logo plastic hard hats (younger kids love this item)

For students in grades 3rd to 8th

- An interesting activity booklet for junior geologists, mining engineers and earth scientists entitled “You’re On Rock”.

For junior high and high school students

- A USGS publication entitled “Natural Aggregates, Building America’s Future”.
- A USGS brochure entitled “Natural Aggregates -- Foundation of America’s Future.”
- An ISGS publication entitled “The Human Factor in Mining Reclamation.”

Contact the IAAP at 217.241.1639 to request any of these materials

Videotapes and Multi-Media Kits to Borrow

We also have a number of top quality videotapes and multi-media kits we can loan to you to use during an open house or school visit.

- “Common Ground -- Modern Mining and You” from Caterpillar, Inc., including the activity book and poster.
- “It’s Yours...It’s Mined” from American Bin & Conveyor Inc.
- “RockMan’s Rockin’ Tune” video for crushed stone (VHS or DVD) and sand & gravel (VHS).
- “Go Kit for Classroom Speakers” from the Mineral Information Institute.
- “Aggregate Educational Kit” from the National Stone, Sand and Gravel Association.
- “Out of the Rock” from the National Energy Foundation.
- “Caterpillar MINExpo 2004” from Caterpillar. Contains examples of sustainable development in mining in DVD and PowerPoint formats.
- “Contributions of the American Miner” from MSHA. This DVD shows a wide variety of mining processes and the products that are produced from them. This is a great tribute to hard working men and women in mining.
- “Stay Out and Stay Alive: Abandoned Mine Safety” from the BLM; Utah, Oil, Gas, and Mining; Colorado Division of Minerals & Geology. Shows the dangers associated with abandoned mines. Touches also on the history of mining, products made from mined materials, and reclamation. Includes many handouts and quizzes in PDF format. DVD/CD; 24 minutes.
- “Safe and Sound” from the National Stone Association. A very detailed look at all aspects of safe blasting including community concerns. VHS; 14 minutes.
- “What’s it Worth” multi-media from the Mineral Information Institute. Includes these segments:
 - *Gold vs. Aluminum* compares the value of these two metals in today’s society.
 - *Progress Through Aggregates* explores modern uses for aggregates.
 - *Common Ground: Modern Mining and You* comprehensive exploration of all aspects of mining.
 - *Classroom Gold Panning* a demonstration
 - *Rocks on the Ground . . . Rocks on Your Face* illustrates uses of aggregates in cosmetics and skin care products.
 - *Pet Rock* classroom activity illustrating how all rocks are not the same.
 - *Apple Earth* classroom activity illustrating how parts of an apple resemble Earth’s geology.
 - *Plate Tectonics* classroom activity illustrating how an orange peel resembles the Earth’s continental plates.
 - *Sedimentary Rocks* classroom activity using sand, rocks and water to illustrate the formation of sedimentary rocks.
 - *Cupcake Mining* classroom activity illustrating the purpose for core drilling.
 - *Cookie Mining* classroom activity illustrating the economic challenges associated with mining.
- “Minerals In Your World” from the Mineral Information Institute. This interactive CD highlights 80 of the most important minerals, provides maps to explain where they come from, and gives examples of how the minerals are processed and used.

The beginning of a new school year is a great time to set up visits to your local schools and host open houses at your pit or quarry. **Please contact the IAAP if you need any of the free materials listed above or would like to borrow any of our videotapes, DVDs and multi-media kits.**