



NATURAL HISTORY MUSEUM OF UTAH

Rio Tinto Center | The University of Utah

Digging Dinosaurs Fossil Crate Inventory

Top Layer:

- #8 *Allosaurus fragilis* maxilla w/teeth (upper jaw bone); WY; Jurassic (149MYA)
- #9 *Tyrannosaurus rex* tooth w/root; SD; Late Cretaceous (68MYA)
- #10 *Utahraptor ostrommaysi* manus claw (forefoot); UT; Cretaceous (125MYA)
- #11 *Grallator cuneatus* track w/mudcrack; CO; Triassic (210MYA)
- #12 black bear jaw – omnivore
- #13 elk jaw – herbivore
- #14 coyote jaw – carnivore

Bottom Layer:

- #1 *Diabloceratops* skull; UT; Late Cretaceous (80-84MYA)
- #2 *Diabloceratops* frill piece (joins to above skull)
- #3 *Diabloceratops* frill horn (joins to above skull)
- #4 *Apatosaur* ischium (pelvic bone) w/predator marks; UT; Jurassic (145MYA)
(this is the distal end of the bone only, not the complete bone, which is over 6' in length)
- #5 *Tarbosaurus bataar* toe bone, normal; Mongolia; Late Cretaceous (75MYA)
- #6 *Tarbosaurus bataar* toe bone w/pathology; Mongolia; Late Cretaceous (75MYA)
- #7 dinosaur egg in matrix (species unknown); Mongolia; Cretaceous (74MYA)
- #15 modern seashell – not a fossil
- #16 fossil seashell (*Gryphaea*/oyster); Jurassic; Iron County, UT
- #17 wood section – not a fossil
- #18 petrified wood – fossil; from southern UT
- #19 rock (picture jasper) – not a fossil

Other Materials:

Books –

- DK Eyewitness: Fossil*, Dr. Paul Taylor, ISBN 0-7566-0682-9 (Hardcover)
- DK Eyewitness: Dinosaur*, David Lambert, ISBN 978-0-7566-5810-6 (Hardcover w/cd & poster)
- Bones Rock!*, Peter Larson & Kristin Donnan, ISBN 1-931229-35-X (Paperback)
- Dinosaurs of Utah*, Pat Bagley & Gayen Wharton, ISBN 156684601-3 (Paperback)
- Digging Up Dinosaurs*, Aliki, ISBN 0-06-445078-3

DVD – *A Fossil's Journey*, Natural History Museum of Utah

Lesson Plans (with background information, directions, activity sheets) –

1. Meeting Dinosaurs: You Are A Scientist (no activity sheets)
2. Fossils: Clues To The Past (with activity sheets)
3. Adaptation And Survival (with activity sheets)

Measuring Tapes (5)

Hand Lenses (5)

Laminated Dino Fact Cards (for each dinosaur fossil cast in crate) (8)

Laminated Deep Time Maps – world and Utah (23)

Meet the NHMU Paleontologists (2 bios)

Utah's Newest Dinosaur Discoveries (articles & photos)

Rules for Collecting Fossils in Utah

Utah in the Age of the Dinosaurs

Where to see fossils in Utah – Utah Museums, Quarries, Tracksites

List of good websites

Care of Fossil Casts Sheet

Damage/Loss Information Sheet

Other NHMU Outreach School Programs/Materials Available