# Fossils in the Classroom

## A • tated Ob ect L t

**Coprolite F** Fece (0 • c a f ) **F** Fece (c (55.8 - 33.9 ea ea ) T / f **F** : Tace T / f **F** e e at : Pe e a zed

 $C_{/4}$  te a eff zed de ///  $c_{-}$  fa  $a^{-}$ . Te a ebee /  $c_{-}$  ed,  $c_{-}$  te a e  $c_{-}$  e ece t fece, a d te a e  $c_{-}$  a fert a de. Of te , f zed b te fife d a e /  $c_{-}$  e  $c_{-}$  te . Pae  $c_{-}$  te d c /  $c_{-}$  te a d te /  $c_{-}$  ece  $c_{-}$  fife d de te  $c_{-}$  ea a b  $c_{-}$  a ta ce ta  $a^{-}$  a te.

Interesting fact: Scientists often study coprolites by cutting very thin slices from them and looking at the slices under a microscope.

### **Trilobite**

### 3 Brachiopod

Se (O c a F ) F . L e Ca f a Pe de Rece (542 e ea e e ece ) T / F F : B d T / F F e e a : Rec *t*a zae

Bac• , d, a• ca ed a , e, a eace , f a e, e eda a . M tbac• , d a ea e ta ca eda / edce tatter e a c• te e e e te ea•• . T e •• A a t b a e (eete de e), b tter / a d b a e e f b a e a e e e te ca • te ac• te, ea b ac• , d a e atte b a e a e e c a d b ac• , d a e eate a e, b t tef ec d, te / n te re e.

Interesting fact: Some fossil brachiopods are found with their original, non-recrystallized shells more or less intact, even though they are millions of years old.

#### **4** Dinosaur Bone

B e (O  $\cdot$  a F ) F  $\cdot$  MddeTa c Pe d U//e C etace Pe d (231.4 - 65.5  $\cdot$  ea  $\cdot$  ea  $\cdot$  ) (N  $\cdot$  a a d  $\cdot$   $\cdot$  ) T/e fF : B d T/e fPe e a : Pe  $\cdot$  e a za

Interesting fact: *Stegosaurus* is Colorado's state fossil.

### Horse Tooth

 $\mathbf{J} \cdot \mathbf{i}$  (Ca  $\mathbf{i}$ ) For the center of the center o T/⊕ fF :Bd T / 🏚 f P e e at : Pe 🥕 e a zat

H e a e  $-a^{-1}a^{-1}a^{-1}a^{-1}a^{-1}a^{-1}b^{-1}e^{-1}a^{-1}b^{-1}a^{-1}b^{-1}a^{-1}b^{-1}a^{-1}a^{-1}b^{-1}a^{-1$ jace a de la face de la cataledire de la ele de la de • e, bite we te t clark d 10,000 + 8,000 ea az . A - ta • e N t A- e carda, rate a tende e ae de ce date fe e berecteeb Ferenant te at 500 ea.

Interesting fact: Teeth from older animals, including horses, are usually more worn down than teeth from younger animals. Over time, the act of chewing food slowly grinds down teeth. This is particularly true when the food includes coarse grasses.



### 6 Wood from a Tree

Pet ed W  $\bullet$  d (0  $\bullet$  c a F ) For A M dd e Dev a Per dar Rece r (385 A ea ar ece r) TIBUTE : Bd TIN fPee at :Pet cat Pet ed w d e c / t ef ec d. Ura, t e w d / c / e a zed a / e a r c a  $\mathbf{x}$  a  $\mathbf{z}$  b  $\mathbf{c}$   $t - \mathbf{c}$   $\mathbf{v}$  ed  $\mathbf{a} \mathbf{c}$  a  $t = \mathbf{s}$   $\mathbf{e}^{-1} \mathbf{f}$  ect ca be  $\mathbf{f} \mathbf{x}$  d de  $\mathbf{f} \mathbf{e}$   $\mathbf{t}$  ed  $\mathbf{e} \mathbf{c}$ .

Interesting fact: Petrified Forest National Park in Arizona has the petrified logs and stumps of an entire Triassic forest. In Colorado, some of the largest petrified tree stumps in the world can be seen at Florissant Fossil Beds National Monument.

### 7 Graptolite

 $G \bullet e \bullet f G a_{44}$  te  $(0 \bullet a F)$ F Mdde Ca b a Pe de Le Cab fer Pe d (510 - 350 - ea a ) TIP fF : Bd T/p fPee at : € - 47 e -Gang re seer a fea fa rar ed e e. Te aet far y fa fa fa caed

e date, date , date a e de a e o e e ated de e teb ate ta de e teb ate a e. G a de te Aree ceet def (eel e n can 2:U n F n Date R c) becaret e te a e c Ara an e tex dade ed a ande a et f jece eate r c.

Interesting Fact: The name "graptolite" comes from the Greek words for "written" and "rock," because their appearance reminded people of hieroglyphs.

### 8 Knightia (Fish)

F See (0 a F ) F E ce e E c (55.8 - 33.9 ea ea ) T f f F : B d T f f P e e at : C f e

Knightia a accert of  $A^{\circ}$ , e de tat ed fe sate a e. Te se efa e se te N tA e ca, e / e ca sat s We  $A^{\circ}$ . Te se e a / a e t d f  $A^{\circ}$  te t / e f , a te f b e a e bee for d te  $A^{\circ}$  t a d t  $A^{\circ}$  f a r f zed e or . Knightia e a ced t t d a' e .

Interesting fact: Knightia is the state fossil of Wyoming.

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Interesting fact: The aquatic plant duckweed has the smallest known leaves of any plant: less than 0.04 inches (1 millimeter) in diameter.

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Interesting fact: In autumn, as days get shorter, plants are able to get less light. This loss of light triggers the process of leaves changing color and falling off.

11 Fern (0•**∠** a **F** ) For A M dd e Dev a Per dar Rece r (375 A ea ar ece r) TIP fF : Bd T/o fPee at : C Are .

Fe ae freeaetad / at, a/ / pa 🔩 t te De a Pe d, b tte ae t a e da. Fe a eac  $\sqrt{1}e$  fecce  $\Delta c \ell e / e d c e / e , \Delta c \ell / a \ell c a ed c a <math>\sqrt{1}e \ell$ A C K / K ce eed A C · C · A · · / r re, refe / a r - ve a ex ed or ee · C. T e fe fe cceek e a s f sake, s te ca s ers s ce s te s s te s s te s

Interesting fact: Young sporophyte ferns are called "fiddleheads" because the way they are curled looks like the top of a violin.

### 12 Shark Tooth

**↓** t (0•c a **F** ) For  $A^{\dagger}U/Ie$  Six a Peor dia Rece t (420  $A^{\dagger}$  ea ea e a ece t) TIP fF : Bd T/p fPee at :Pe - e a zat Sa tayyeaed te Six a, 420 🚣 ea 🤐 . M 🛛 fa a' eoit 🖊 ado fcataçe, e •  $\kappa$  • eadea• be,  $\sim$  c de 'the zea  $\sim$  e a aorab e. O a a ' a  $\sim$  a e aorab e. H  $\sim$  e, f a teet a e e  $\kappa$ , becare a  $\kappa$  the a  $\kappa$   $\sim$   $\sim$  a de e teet terecorrecte ete e.

Interesting fact: The ancient shark megalodon was so big an adult human could have stood up inside its mouth. Megalodon has been extinct for 1.5 million years.

### **13** Modern Mammal Bone

B e (0 ⋅ 2 a) Rece t TING IF :N/A T∕ø fPee a∉ :N/A

The final generation of the target of ta I de le Adde fab e A e in c Aate a ca ed ca cerr b er in c b e. I l b e, le ca cere b e a a e bee a t de e ed b t e rece f c ea et e b e, ea et a e a recere race. Te advit de fab e caed e (cab e e A actb e.

Interesting fact: Bone marrow in the cancellous bone is where blood cells are produced.

### 14

#### Modern Bivalve

Se (O • C a) Rece t T / • fF : N/A T / • fP e e at : N/A T a /ece fb a etat t a erda.lt a ece t e, taf . C / a etat t ef bac + d.B a e e + te a f ter/ a db r - t erdbeete ter/, b r - af fte e.l bac + d, teb r - are ta ter/,

Interesting fact: Scallops, clams, and oysters are all modern day bivalves that are eaten by humans.

### **15** Cave Bear Tooth

To t (Ca t) For Periode Epic (2.59 de a ago de 24,000 ea ago) T / Po f For B d T / Po f Pee at : Pe de a zat

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Interesting fact: Cave bears are depicted in ancient cave paintings across Europe, and their remains have even been found near the burials of Neanderthals and humans.

### 16 Spinosaurus Tooth

The (Call) For C = cace + Per d (112.6 - 70.6 - ea ea )The fF : B d The fPee at : Per e a zat

Spinosaurus at p faceto p dd p, a be e baceta Tyrannosaurus. It ad a c,  $a \sim a$  r ta da a t bac. F f Spinosaurus a effer d N t Af ca.  $S_{1}$  p p p bab p ta p f  $t \sim e$  a sate a date a f . A ecet p d ca c tat Spinosaurus a a eao a p to e to c c c c c d be e te e p p a f ad p .

Interesting fact: A German scientist found the first recorded Spinosaurus specimen in Egypt. Bombing destroyed it during World War Two.

### **Theropod Footprint**

Tac (Ca i)  $F \sim U/re$  Ta c Pe d U/re C etacer Pe d (231.4 - 65.5  $\sim$  ea ea ) T/e f F : Tace