

Coaches Instructions

Dino Clue Card Activity

Objective: To introduce the Dinosaur portion of the Fossils Event to Science Olympiad participants through a challenging hands-on, minds-on activity.

Preparation:

1. Print one student Dino Clue Chart, one answer key, and one dinosaur photo page for each group of two to three participants.
2. Print one Dino Clue Cards, Set I, onto colored card stock.
3. Print one set each of Dino Clue Cards II and III onto card stock of a different color than that used for Set I. [This is essential for ease in separating the cards.]
4. Cut, stack, and band the cards together.

Required materials:

1. One set of twelve Carnegie Dinosaur Models as listed on the Dino Clue Chart. These may be purchased at a very competitive price from Other Worlds Educational Enterprises at <http://www.otherworlds-edu.com>
2. One complete set of cards for each group.
3. One Dino Clue Chart.
4. One Dino Photo Page to be distributed when starting the second part of this activity.

Instructional procedures, Part I:

1. Distribute Dino Clue Card Set I, one set of twelve Carnegie Dinosaur Models, and one Dino Clue Chart to the participants.
2. Ask participants to attempt to identify each of the twelve dinosaurs using the information found on the Dino Clue Cards, Set I. Ask participants to place each matching card with its corresponding dinosaur model.
3. Once participants have completed the identification of each of the twelve dinosaurs, check the matches for accuracy. If participants have failed to correctly identify all models, you may either provide them with the correct matches or ask them to try again.

Instruction procedures, Part II:

4. Once all dinosaurs have been correctly identified, distribute the remaining cards, a participant chart, and a dinosaur photo page. They must retain the initial set of Dino Clue Cards as some of the information on those cards is required to complete the chart. Do not forget to inform the students of this fact.
5. The cards may be sorted in any order. Once the group has read a particular card, they must determine whether that card is helpful at this time or whether it should be placed at the bottom of the deck for later use and another card drawn. All cards will eventually be used to complete the task.
6. You may find it prudent to request that participants complete the chart in pencil so inaccurate entries may be edited.
7. Once participants have completed the activity, they may be given the key to verify the accuracy of their responses.