Out on a Limb

Procedure

1. **Collaborate** In small groups of 2 or 3 students, examine pictures of the forelimbs of four different animals, such as a cat, lizard, bird, and chimpanzee.

2. **Collaborate** Discuss the forelimbs with a partner. Talk about how alike and different they are. Also discuss how each animal uses its forelimbs.

3. **Record Data** Draw a rough sketch of each forelimb in the space below. Try to show as many bones as you can in your drawings.

4. **Compare** Circle bones that are similar from one drawing to the next.

5. **Research** Find out what the names of the bones are, and label them.
Conclusion

Write the answers to the questions below.

1. Compare  How are the structures of the forelimbs of these animals similar? How are they different?

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2. Analyze Data  Did similar bones appear in more than one animal?

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3. Analyze Data  Are there any bones that did not appear in all four animals?

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4. Infer  How do the similarities and differences among these bones suggest that evolution occurred?

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Investigate More!

Use Models  Using colored modeling clay, create a model of two of the forelimbs that you studied. Be sure to model similar structures in the same color.