

Teacher Guide for *ASK, Sticking Together*

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Betty Lou Askin, a retired educator, who lives in Toronto Ontario, prepared this guide.

Scoops (pages 2-3)

Beautiful Buzzing

- Why do mosquitoes have a good ear for music?
- Why do scientists want to understand this musical ability that is found in mosquitoes?

Keep Away Spray

- How does a cobra ensure that its venom gets into the eyes of its attacker?

Think Pink

- Why is the pink iguana such a rare creature?

Deep See

- Describe how the spookfish sees.

Nestor's Dock (pages 4-5)

- How does Nestor show personal integrity?
- Explain whether you think Nestor was successful or not.

Traveling With the Crowd (pages 6-13)

Ideas to use with this article-

- Suggest six reasons why animals travel in packs.
 - Circling the Wagon
 - Explain what musk oxen do when they are threatened.
 - How do we know that this has been a successful manner of protection for the musk oxen?
 - Why did this method of protection fail them at some point in time?
 - What is the role of the leaders in an arctic wolf pack?
 - How do wolves communicate?
 - Following the Food
 - Explain why wildlife herds roam so far to get food.
 - Explain how the wildebeest protect their babies.
 - Describe how wildebeest and zebras provide mutual help.
 - Birds of a Feather
 - Tell why birds fly in a V formation.
 - How do blackbirds protect themselves from hawks?
 - Explain ducks and gannets look out for their own during feeding time.
 - Describe how creatures recognise their own species.
 - Something Fishy
 - What is schooling for fish?
 - How does the lateral line on fish work for them?
 - Bringing Up Babies
 - What are elephant babysitters?
 - Why do meerkats like their babysitters?

What Can a Computer Learn from a Wildebeest? (page 14)

- Describe some possibilities of a smart car.
- Creative Work:
Develop an advertisement for a smart car. Use pictures and words in your ad. Present your work to the class.

Programming Nemo (page 14)

- Explain how a computer program creates animation.

All Together Now... (pages 16-21)

Questions to use with this content-

- Have you ever experienced what Ivy is feeling?
- Explain why groups are important to us.
- Tell why groups were so important in early times.
- Describe a tribe.
- What is the work of an anthropologist?
- What is culture?
- Explain the importance of tartans, tattoos and totems.
- Describe the experiment recorded on page 21.

Prairie Dogs (pages 24-26)

- How do prairie dogs alert others of danger?
- Explain how Dr. Slobodchikoff studied the sounds from the prairie dogs.
- What is a spectrogram?
- Explain why Dr. Slobodchikoff was amazed at his findings.

Jimmy the Bug (page 32)

- Why are clouds white?
- Why is the sky blue?

Research:

- Choose an animal from this magazine. Research further information about this creature. Include such things as habitat, food, social behaviour, enemies, protection, rank in the food chain, description, etc. Write a report. Include pictures. Present your work to your classmates, or prepare your work as a report for e.g. a Wild Life Magazine, or a TV show.

Culminating Activity

- Write an essay using information from this magazine to explain the importance of sticking together. You might choose humans or animals, or both as your subject. The length of your work will depend on your teacher's request.