Trend Task: Dancing Currants

Approach: Team

Explaining proporties of a

Focus: Explaining properties of gas

Resources: 2 plastic glasses, Working Together team guide, lemonade, 12 currants, team answer sheet, 2 sample cups

## Questions / instructions:

Preparation: Put a glass in front of each pair of students. Half fill the glasses with lemonade.

## Discuss Working Together Team Guide.

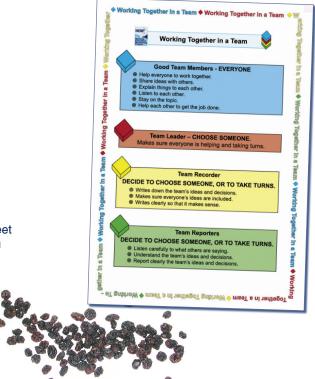
In this activity you are going to watch what happens when you put currants into lemonade. So that you can easily see the currants I have set up two glasses of lemonade. [Student 1] and [Student 2] can watch this glass and [Student 3] and [Student 4] can watch this glass. Look carefully from the top as you drop in six currants. Keep watching to see what the currants do, and talk about why they are moving.

## Hand pairs of students six currants to drop into the lemonade. Allow time.

Now as a team you are going to talk about the questions on this sheet [same as below] and listen carefully to each other's ideas. Then you will write down your team's ideas.

Hand out answer sheet and read questions to the students. Allow time.

Now tell me the answers you have decided for the questions.



Year: 4 & 8

	% response 2007 ('03)			% response 2007 ('03)	
	year 4	year 8		year 4	year 8
Why do the currants start to go to the top?					
carbon dioxide/gas/bubbles/air attach to currants	18 (17)	28 (42)			
these bubbles etc. help to <u>lift</u> (currants to surface)	53 (50)	64 (64)			
Why do the currants then sink to			Total score: 5	O (0)	6 (7)
the bottom?  bubbles etc. pop	41 (40)	63 (56)	4	3 (5)	13 (13)
less/no bubbles etc. to make	00 (15)	00 (07)	3	19 (13)	28 (22)
currants float	20 (15)	32 (27)	2	20 (22)	18 (24)
What are the bubbles made of?  carbon dioxide	6 (10)	37 (32)	1	28 (28) 30 (32)	22 (20) 13 (14)
carbon dioxide	0 (10)	37 (32)	0	30 (32)	13 (14)

## Commentary:

Because this was a team task, no graph of subgroup performance is possible. There was substantial improvement from year 4 to year 8, and no meaningful change in performance at either year level between 2003 and 2007.