

Approach: Station

Focus: Fitness for purpose

Resources: 5 pictures of objects to be packed; 5 labelled packaging materials:

([a] - bubble wrap; [b] - shredded paper; [c] - corrugated cardboard; [d] - expanded polystyrene foam; [e] - coloured tissue paper )

## Questions / instructions:

1. The stack of plates needs to be packaged **before** they are put in a box.



Write the letter of the material you would use to package the plates. ☐

- a. bubble wrap ✓  
b. shredded paper  
c. corrugated cardboard ✓  
d. expanded polystyrene foam  
e. coloured tissue paper

What is good about that material for packing the plates?

justification judged to be good

2. The baby booties need to be packaged **before** they are put in some wrapping paper for a present.



Write the letter of the material you would use to package the booties. ☐

- a. bubble wrap  
b. shredded paper  
c. corrugated cardboard  
d. expanded polystyrene foam  
e. coloured tissue paper ✓

What is good about that material for packing the booties?

justification judged to be good

3. The kitchen appliance needs to be packaged **before** it is put in a box.



Write the letter of the material you would use to package the kitchen appliance. ☐

- a. bubble wrap  
b. shredded paper  
c. corrugated cardboard ✓  
d. expanded polystyrene foam ✓  
e. coloured tissue paper

What is good about that material for packing the kitchen appliance?

justification judged to be good

% responses  
y8

59  
10  
15  
11  
4

28

4  
12  
9  
3  
71

29

8  
9  
22  
59  
1

26

4. The vase needs to be packaged **before** it is put in a box.



Write the letter of the material you would use to package the vase. ☐

- a. bubble wrap ✓  
b. shredded paper  
c. corrugated cardboard  
d. expanded polystyrene foam ✓  
e. coloured tissue paper

What is good about that material for packing the vase?

justification judged to be good

5. The dolls need to be packaged **before** they are put in a box.



Write the letter of the material you would use to package the plates. ☐

- a. bubble wrap ✓  
b. shredded paper ✓  
c. corrugated cardboard  
d. expanded polystyrene foam  
e. coloured tissue paper

What is good about that material for packing the dolls?

justification judged to be good

% responses  
y8

48  
23  
7  
14  
6

21

17  
40  
17  
11  
12

21

3  
14  
37  
32  
14



Total score: 9-10

7-8

5-6

3-4

0-2

## Commentary:

On average, about 70 percent of the year 8 students chose an appropriate packing material from the available options. Only about 25 percent could justify their choices well.