

Restriction Endonuclease Scissors

Issue Salespeople struggled to understand how restriction endonucleases worked.

Solution Provide an analogous relatable tool, which were pairs of decorative scissors labeled with the name of restriction enzymes. Each scissor's cutting pattern is unique, like restriction enzymes. For practice, the salespeople used the scissors to cut paper with the cutting sites matching the restriction enzyme.

Eco RI	Bgl II
	
$ \begin{array}{c} 5' \dots \text{GAATTC} \dots 3' \\ 3' \dots \text{CTTAAG} \dots 5' \end{array} $	$ \begin{array}{c} 5' \dots \text{GCCNNNN} \text{NGGC} \dots 3' \\ 3' \dots \text{CGGNNNN} \text{NCCG} \dots 5' \end{array} $

Results The salespeople understood the analogy and it was easy to determine if the correct scissors were used for each paper.

Classifications The table below lists three classifications for this work sample.

Learning Styles	Intelligences ¹	Example of ²
Kinesthetic	Bodily-Kinesthetic	Creativity
Visual	Visual-Spatial	
	Intrapersonal	

¹ Intelligences refers to Gardner's Multiple Intelligences.

² Reason(s) it was provided as a work sample