		Treatment A		Treatment B		Treatment C	
CRITERIA	WEIGHT	score	x weight	score	x weight	score	x weight
Reversible (must be)	-	PASS		PASS		PASS	
Appearance	3	1	3	4	12	5	15
Stability (must be 3+)	2	5	10	4	8	1 FAIL	2
Speed	1	4	4	1	1	5	5
Total score		10	17	9	21	11	22
Comments		Best stability, good speed, but poor appearance		Good appearance, good stability, but poor speed.		Best speed, best appearance, but stability FAIL.	

Table 2. Example of a simple decision matrix with scores on a five-point scale.

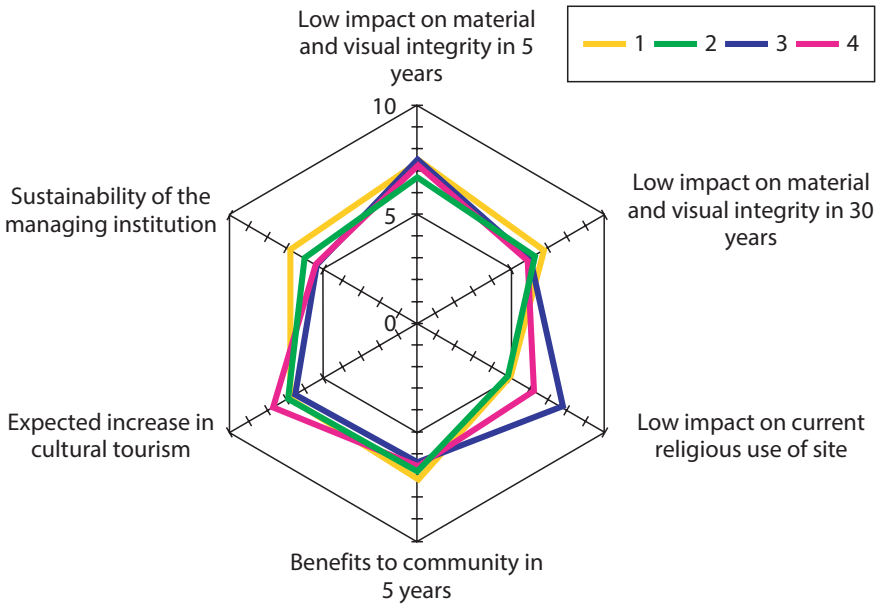

Figure 2. A radar chart of the four options shown in Figure 1.

group, after presentations of the proposals. The overwhelming conclusion from the numbers in Figure 1 is that there was little difference in the weightings of each criterion, and little difference in the totals of the four options. This does not mean that the decision matrix was useless; it simply meant that all four options were well designed, although distinctly different. The conclusion of the class after this first iteration of option and criteria development was that in the real world, one would want to take the lessons learned and build even better options and better criteria with better representation of stakeholders before making a final decision.

Radar chart

Figure 2 presents a 'radar chart' of the options in Figure 1. (Also known as a spider chart, web chart, or star chart.) Radar charts are standard in Excel™ and many other graphing tools. One plots the unweighted scores to see how well options perform across various criteria. In Figure 2, we can see that on most criteria the options