

Figure S1. Inferior views of the group conjunction of individual subject T-stat maps (FWE $p < 0.05$) showing number of subjects with overlapping activation using different processing pipelines with **A**: volume normalisation, **B**: surface normalisation. For A) and B) results are shown for unsmoothed (left) and smoothed (4.5 mm FWHM kernel) data (right). For superior views, see Fig. 10.

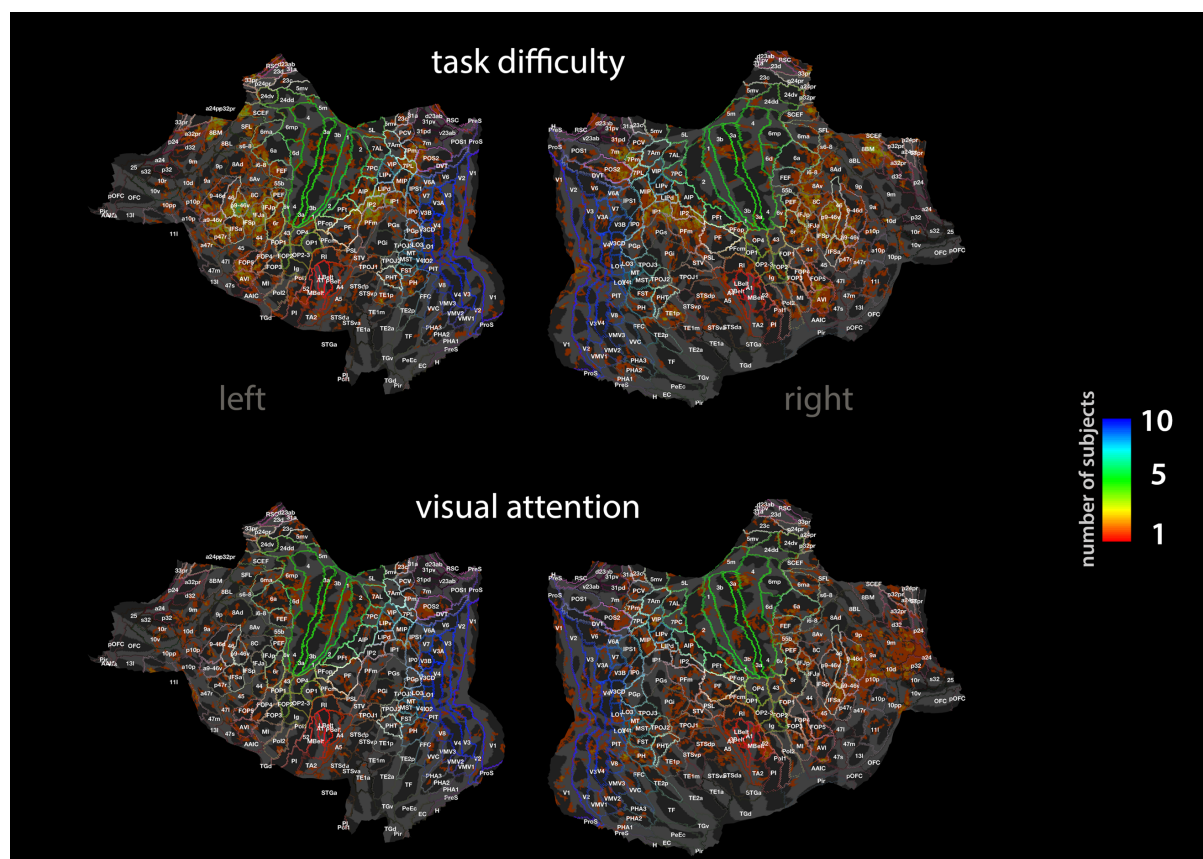


Figure S2. Conjunction of individual subject T-stat maps (FWE $p < 0.05$) for task difficulty contrast (**top**, denoting “n”-shaped modulation) and visual attention contrast (**bottom**, denoting positive, linear modulation) using the optimal surface registration with no smoothing processing pipeline.

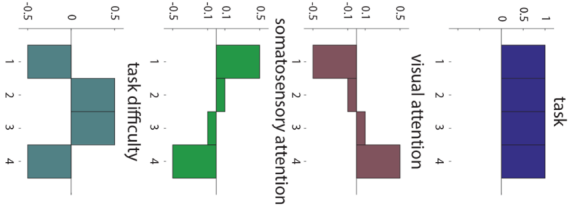
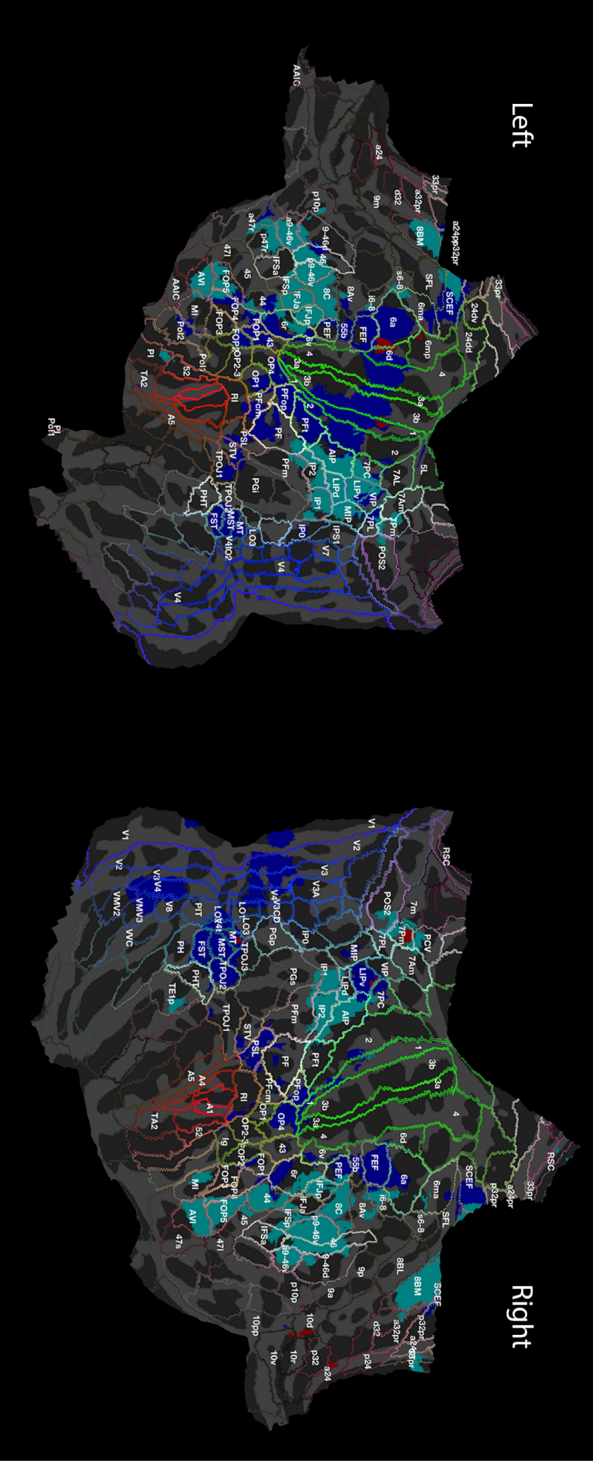


Figure S3: 2nd level GLM analyses of the volume normalised, smoothed attention data. Fixed effects ($p < 0.05$, FWE corrected) activation maps (corresponding to mixed effects analysis in Figure 13). Colours denote regions where the t-statistics for each of the contrasts exceeded the stated threshold, and were deemed “activated” regions to that contrast, with different contrast and associated colours shown in right hand panel.