

APPENDIX K
DIFFERENTIAL ITEM FUNCTIONING RESULTS

Table K-1. Number of Items Classified as “Low” or “High” DIF, Overall and by Group Favored—ELA

| Grade | Group | | Item Type | Number of Items | Total | Number “Low” Favoring | | | Number “High” Favoring | | | |
|-------------------------------|-------------------------------|----------------------------|-----------|-----------------|-------|-----------------------|-------|-------|------------------------|-------|-----------|-------|
| | Reference | Focal | | | | Reference | Focal | Total | Reference | Focal | | |
| | | | | | | | | | | | Reference | Focal |
| 3 | Male | Female | SR | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | ES | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Not Low Income | Low Income | SR | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | ES | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Not EL/FEL | EL/FEL | SR | 26 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | ES | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Students without Disabilities | Students with Disabilities | SR | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | ES | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | White | African American/Black | SR | 26 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | ES | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Hispanic/Latino | SR | 26 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | ES | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | Male | Female | SR | 26 | 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| | | | | CR | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| ES | | | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Not Low Income | | Low Income | SR | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | ES | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Not EL/FEL | | EL/FEL | SR | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | ES | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Students without Disabilities | | Students with Disabilities | SR | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | ES | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| White | | African American/Black | SR | 26 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | ES | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Hispanic/Latino | SR | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | ES | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

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| Grade | Group | | Item Type | Number of Items | Total | Number "Low" Favoring | | | Number "High" Favoring | |
|-------|-------------------------------|----------------------------|-----------|-----------------|-------|-----------------------|-------|-------|------------------------|-------|
| | Reference | Focal | | | | Reference | Focal | Total | Reference | Focal |
| 5 | Male | Female | SR | 24 | 3 | 3 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not Low Income | Low Income | SR | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not EL/FEL | EL/FEL | SR | 24 | 3 | 3 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Students without Disabilities | Students with Disabilities | SR | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| | White | African American/Black | SR | 24 | 2 | 1 | 1 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Hispanic/Latino | SR | 24 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Male | Female | SR | 24 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not Low Income | Low Income | SR | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not EL/FEL | EL/FEL | SR | 24 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Students without Disabilities | Students with Disabilities | SR | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| | White | African American/Black | SR | 24 | 2 | 1 | 1 | 0 | 0 | 0 |
| | | | CR | 5 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Hispanic/Latino | SR | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

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| Grade | Group | | Item Type | Number of Items | Total | Number "Low" Favoring | | | Number "High" Favoring | | |
|-------|-------------------------------|----------------------------|-----------|-----------------|-------|-----------------------|-------|-------|------------------------|-------|-------|
| | Reference | Focal | | | | Reference | Focal | Total | Reference | Focal | Total |
| 7 | Male | Female | SR | 24 | 4 | 3 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not Low Income | Low Income | SR | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not EL/FEL | EL/FEL | SR | 24 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Students without Disabilities | Students with Disabilities | SR | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | SR | 24 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | White | African American/Black | SR | 24 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SR | | | 24 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | |
| CR | | | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ES | | | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 8 | Male | Female | SR | 24 | 6 | 5 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not Low Income | Low Income | SR | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not EL/FEL | EL/FEL | SR | 24 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Students without Disabilities | Students with Disabilities | SR | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | SR | 24 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | White | African American/Black | SR | 24 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| | | | CR | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SR | | | 24 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | |
| CR | | | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ES | | | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

continued

| Grade | Group | | Item Type | Number of Items | Total | Number "Low" | | | Number "High" | | |
|-------|-------------------------------|----------------------------|-----------|-----------------|-------|--------------|-------|-------|---------------|-------|--|
| | Reference | Focal | | | | Favoring | | Total | Favoring | | |
| | | | | | | Reference | Focal | | Reference | Focal | |
| 10 | Male | Female | SR | 21 | 1 | 1 | 0 | 0 | 0 | 0 | |
| | | | CR | 7 | 1 | 1 | 0 | 1 | 1 | 0 | |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Not Low Income | Low Income | SR | 21 | 1 | 1 | 0 | 0 | 0 | 0 | |
| | | | CR | 7 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Not EL/FEL | EL/FEL | SR | 21 | 3 | 3 | 0 | 0 | 0 | 0 | |
| | | | CR | 7 | 1 | 1 | 0 | 0 | 0 | 0 | |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Students without Disabilities | Students with Disabilities | SR | 21 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 7 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | White | African American/Black | SR | 21 | 4 | 3 | 1 | 0 | 0 | 0 | |
| | | | CR | 7 | 1 | 1 | 0 | 0 | 0 | 0 | |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Hispanic/Latino | SR | 21 | 2 | 1 | 1 | 0 | 0 | 0 | |
| | | | CR | 7 | 1 | 1 | 0 | 0 | 0 | 0 | |
| | | | ES | 2 | 0 | 0 | 0 | 0 | 0 | 0 | |

Table K-2. Number of Items Classified as “Low” or “High” DIF, Overall and by Group Favored—Mathematics

| Grade | Reference | Group Focal | Item Type | Number of Items | Total | Number “Low” Favoring | | | Number “High” Favoring | |
|-------|-------------------------------|----------------------------|--------------|--------------------|-------|--------------------------|-------|-------|---------------------------|-------|
| | | | | | | Reference | Focal | Total | Reference | Focal |
| 3 | Male | Female | SR | 16 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 2 | 1 | 1 | 0 | 0 | 0 |
| | Not Low Income | Low Income | SR | 16 | 2 | 1 | 1 | 0 | 0 | 0 |
| | | | CR | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not EL/FEL | EL/FEL | SR | 16 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Students without Disabilities | Students with Disabilities | SR | 16 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| | White | African American/Black | SR | 16 | 3 | 1 | 2 | 0 | 0 | 0 |
| | | | CR | 24 | 2 | 2 | 0 | 0 | 0 | 0 |
| | | Hispanic/Latino | SR | 16 | 3 | 1 | 2 | 0 | 0 | 0 |
| | | | CR | 24 | 2 | 1 | 1 | 0 | 0 | 0 |
| 4 | Male | Female | SR | 20 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 20 | 2 | 2 | 0 | 0 | 0 | 0 |
| | Not Low Income | Low Income | SR | 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not EL/FEL | EL/FEL | SR | 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Students without Disabilities | Students with Disabilities | SR | 20 | 2 | 1 | 1 | 0 | 0 | 0 |
| | | | CR | 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| | White | African American/Black | SR | 20 | 2 | 0 | 2 | 0 | 0 | 0 |
| | | | CR | 20 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | Hispanic/Latino | SR | 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 20 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Male | Female | SR | 18 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 22 | 4 | 3 | 1 | 0 | 0 | 0 |
| | Not Low Income | Low Income | SR | 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not EL/FEL | EL/FEL | SR | 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Students without Disabilities | Students with Disabilities | SR | 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| | White | African American/Black | SR | 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 22 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | Hispanic/Latino | SR | 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 22 | 0 | 0 | 0 | 0 | 0 | 0 |

continued

| Grade | Reference | Group Focal | Item Type | Number of Items | Total | Number "Low" Favoring | | | Number "High" Favoring | | |
|-------|-------------------------------|----------------------------|--------------|--------------------|-------|--------------------------|-------|-------|---------------------------|-------|-------|
| | | | | | | Reference | Focal | Total | Reference | Focal | Total |
| 6 | Male | Female | SR | 16 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 2 | 0 | 2 | 0 | 0 | 0 | 0 |
| | Not Low Income | Low Income | SR | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not EL/FEL | EL/FEL | SR | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| | Students without Disabilities | Students with Disabilities | SR | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | White | African American/Black | SR | 16 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | Hispanic/Latino | SR | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 7 | Male | Female | SR | 17 | 2 | 0 | 2 | 0 | 0 | 0 | 0 |
| | | | CR | 23 | 4 | 4 | 0 | 0 | 0 | 0 | 0 |
| | Not Low Income | Low Income | SR | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not EL/FEL | EL/FEL | SR | 17 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Students without Disabilities | Students with Disabilities | SR | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | White | African American/Black | SR | 17 | 2 | 0 | 2 | 0 | 0 | 0 | 0 |
| | | | CR | 23 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | Hispanic/Latino | SR | 17 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Male | Female | SR | 16 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 2 | 1 | 1 | 1 | 1 | 0 | 0 |
| | Not Low Income | Low Income | SR | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not EL/FEL | EL/FEL | SR | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Students without Disabilities | Students with Disabilities | SR | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | White | African American/Black | SR | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| | | Hispanic/Latino | SR | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 24 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

continued

| Grade | Reference | Group Focal | Item Type | Number of Items | Total | Number “Low” Favoring | | | Number “High” Favoring | | |
|-------|-------------------------------|----------------------------|--------------|--------------------|-------|--------------------------|-------|-------|---------------------------|-------|-------|
| | | | | | | Reference | Focal | Total | Reference | Focal | Total |
| 10 | Male | Female | SR | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 20 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | Not Low Income | Low Income | SR | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not EL/FEL | EL/FEL | SR | 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Students without Disabilities | Students with Disabilities | SR | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | SR | 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 20 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | White | African American/Black | SR | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 20 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| White | Hispanic/Latino | SR | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | CR | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Table K-3. Number of Items Classified as “Low” or “High” DIF, Overall and by Group Favored—STE

| Grade | Reference | Group Focal | Item Type | Number of Items | Total | Number “Low” Favoring | | | Number “High” Favoring | | |
|-------|-------------------------------|----------------------------|--------------|--------------------|-------|--------------------------|-------|-------|---------------------------|-------|-------|
| | | | | | | Reference | Focal | Total | Reference | Focal | Total |
| 5 | Male | Female | SR | 20 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 21 | 3 | 2 | 1 | 0 | 0 | 0 | 0 |
| | Not Low Income | Low Income | SR | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not EL/FEL | EL/FEL | SR | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Students without Disabilities | Students with Disabilities | SR | 20 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | CR | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | SR | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 21 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | White | African American/Black | SR | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 21 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| White | Hispanic/Latino | SR | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | CR | 21 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | |
| 8 | Male | Female | SR | 26 | 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 15 | 3 | 2 | 1 | 0 | 0 | 0 | 0 |
| | Not EL/FEL | EL/FEL | SR | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Not Low Income | Low Income | SR | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Students without Disabilities | Students with Disabilities | SR | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | SR | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | White | African American/Black | SR | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | CR | 15 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| White | Hispanic/Latino | SR | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | CR | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Table K-4. Number of Items Classified as “Low” or “High” DIF, Overall and by Group Favored—Biology

| Grade | Reference | Group | | Item Type | Number of Items | Total | Number “Low” Favoring | | Number “High” Favoring | | |
|-------|-------------------------------|----------------------------|----|-----------|-----------------|-------|-----------------------|-------|------------------------|-----------|-------|
| | | Focal | | | | | Reference | Focal | Total | Reference | Focal |
| HS | Male | Female | SR | 27 | 1 | 1 | 0 | 1 | 1 | 0 | |
| | | | CR | 15 | 3 | 3 | 0 | 0 | 0 | | |
| | Not Low Income | Low Income | SR | 27 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 15 | 0 | 0 | 0 | 0 | 0 | | |
| | Not EL/FEL | EL/FEL | SR | 27 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 15 | 0 | 0 | 0 | 0 | 0 | | |
| | Students without Disabilities | Students with Disabilities | SR | 27 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 15 | 1 | 0 | 1 | 0 | 0 | | |
| | White | African American/Black | SR | 27 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 15 | 0 | 0 | 0 | 0 | 0 | | |
| | | Hispanic/Latino | SR | 27 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 15 | 0 | 0 | 0 | 0 | 0 | | |

Table K-5. Number of Items Classified as “Low” or “High” DIF, Overall and by Group Favored—Introductory Physics

| Grade | Reference | Group | | Item Type | Number of Items | Total | Number “Low” Favoring | | Number “High” Favoring | | |
|-------|-------------------------------|----------------------------|----|-----------|-----------------|-------|-----------------------|-------|------------------------|-----------|-------|
| | | Focal | | | | | Reference | Focal | Total | Reference | Focal |
| HS | Male | Female | SR | 21 | 2 | 1 | 1 | 2 | 2 | 0 | |
| | | | CR | 21 | 2 | 0 | 2 | 0 | 0 | | |
| | Not Low Income | Low Income | SR | 21 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 21 | 0 | 0 | 0 | 0 | 0 | | |
| | Not EL/FEL | EL/FEL | SR | 21 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 21 | 0 | 0 | 0 | 0 | 0 | | |
| | Students without Disabilities | Students with Disabilities | SR | 21 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | CR | 21 | 0 | 0 | 0 | 0 | 0 | | |
| | White | Hispanic/Latino | SR | 21 | 1 | 0 | 1 | 0 | 0 | 0 | |
| | | | CR | 21 | 1 | 1 | 0 | 0 | 0 | | |