**Unit 2 – Activity 3 (Teacher Resource)**

**Multiple Representations of Motion**

Use the following four data tables for the four cases of motion students represent in this activity.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | |  |  | | 0 | 12 | | 2 | 18 | | 4 | 24 | | 6 | 30 | | 8 | 36 | | 10 | 42 | | |  |  | | --- | --- | |  |  | | 0 | -14 | | 3 | -5 | | 6 | 4 | | 9 | 13 | | 12 | 22 | | 15 | 31 | |
| |  |  | | --- | --- | |  |  | | 4 | 8 | | 8 | 2 | | 12 | -4 | | 16 | -10 | | 20 | -16 | | 24 | -22 | | |  |  | | --- | --- | |  |  | | 0 | -4 | | 5 | -19 | | 10 | -34 | | 15 | -49 | | 20 | -64 | | 25 | -79 | |