

Next Generation Science Standards - Products

| <u>Primary</u> | <u>Middle School</u> | <u>High School</u> |
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| *bar graphs | *analyze and interpret data | *chemical reactions |
| *build a structure | *analyze pictorial data | *computational model |
| *cause & effect patterns | *arguments based on evidence | *Coulomb's Law |
| *combinations of drawing, dictating and writing | *biodiversity & the ecosystem | *fission and fusion |
| *construct with blocks | *charts | *magnetic fields |
| *construct with blocks or other small objects | *chemical reactions | *model |
| *create audio recordings | *describe testing | *molecular-level structure |
| *designing clothing or equipment to mimic plant or animal solutions | *design project | *Newton's 2nd Law |
| *electric force | *design solutions | *Newton's Law of Gravity |
| *empirical evidence | *diagrams | *periodic table |
| *flashlight | *digital sources | *scientific terminology |
| *grade-appropriate text | *experimental design | |
| *graph | *explain findings | |
| *investigation/observation | *flowcharts | |
| *magnetic force | *fossils | |
| *measure | *geologic time scale | |
| *media | *graphs | |
| *observe natural phenomena | *human population & per capita consumption | |
| *paper cup and string | *identify patterns | |
| *patterns | *investigation | |
| *picture graphs | *iterative testing | |
| *pinhole box | *kinetic energy | |
| *plant | *mapping | |
| *produce a report | *mathematical representation | |
| *properties of materials | *meet goals | |
| *shared research and writing projects | *microscopes | |
| *simple tests | *models | |
| *system models | *molecules | |
| *tuning fork, stretchy string | *Newton's 3rd Law | |
| *various measurement | *photosynthesis | |
| *visual displays | *print sources | |
| *wax paper, cardboard, and mirrors | *produce data | |
| *weigh | *refute claims | |
| | *scale properties | |

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| | *Science laws, mechanisms, and theories | |
| | *scientific explanation | |
| | *statistical techniques of data and error analysis | |
| | *tables | |
| | *technology | |
| | *telescopes | |
| | *thermal energy transfers | |
| | *time, space and energy phenomena | |