



This correlation chart shows how *Physical Science* is aligned to the National Science Content Standards.

| National Science Content Standards | Nomenclatures | Research Cards | Dynamics | Electricity | Energy | Light | Magnetic | Simple Machines | Sounds | Safety First | Measurement Activities |
|---|---------------|----------------|----------|-------------|--------|-------|----------|-----------------|--------|--------------|------------------------|
| Grades K-4 | | | | | | | | | | | |
| 4B. Physical Science (PS) | | | | | | | | | | | |
| (4PS2) Position and motion of objects | ✓ | | ✓ | | | | | ✓ | ✓ | | |
| (4PS3) Light, heat, electricity, and magnetism | ✓ | | | ✓ | ✓ | ✓ | ✓ | | | | |
| 4E Science and Technology (EST) | | | | | | | | | | | |
| (4EST1) Abilities of technological design | | | | | | | | | | | ✓ |
| (4EST2) Understanding about science and technology | | | | | | | | | | | ✓ |
| 4F Science in Personal and Social Perspective (SPSP) | | | | | | | | | | | |
| (4FSPSP1) Personal health | | | | | | | | | | ✓ | |
| Grades 5-8 | | | | | | | | | | | |
| 8A Science as Inquiry | | | | | | | | | | | |
| (8ASI1) Abilities necessary to do scientific inquiry | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| (8ASI2) Understandings about scientific inquiry | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 8B Physical Science | | | | | | | | | | | |
| (8BPS1) Properties and changes of properties in matter | | ✓ | | | | | | | | | |
| (8BPS2) Motion and forces | ✓ | ✓ | ✓ | | | | ✓ | ✓ | | | |
| (8BPS3) Transfer of energy | ✓ | ✓ | | ✓ | ✓ | ✓ | | | | | |
| 8E Science and Technology | | | | | | | | | | | |
| (8EST1) Abilities of technological design | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| (8EST2) Understanding about science and technology | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 8F Science in Personal and Social Perspective | | | | | | | | | | | |
| (8FSPSP1) Personal health | | | | | | | | | | ✓ | |
| (8FSPSP5) Science and technology in society | | ✓ | | | | | | | | | ✓ |
| 8G History and Nature of Science | | | | | | | | | | | |
| (8GHNS.1) Science as a human endeavor | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |

| | | | | | | | | | | | |
|--|----------------------|-----------------------|-----------------|--------------------|---------------|--------------|-----------------|------------------------|---------------|---------------------|-------------------------------|
| (8GHNS.2) Nature of science | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| (8GHNS.3) History of science | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| National Science Content Standards | Nomenclatures | Research Cards | Dynamics | Electricity | Energy | Light | Magnetic | Simple Machines | Sounds | Safety First | Measurement Activities |
| Grades 9-12 | | | | | | | | | | | |
| 12A Science as Inquiry | | | | | | | | | | | |
| (12ASI1) Abilities necessary to do scientific inquiry | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| (12ASI2) Understandings about scientific inquiry | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 12B Physical Science | | | | | | | | | | | |
| (12BPS4) Motions and Forces | ✓ | ✓ | ✓ | | | | | ✓ | | | |
| (12BPS5) Conservation of energy and the increase in disorder | | ✓ | | | | | | | | | |
| (12BPS6) Interactions of Energy and matter | | ✓ | | | | | | | | | |
| 12E Science and Technology | | | | | | | | | | | |
| (12EST1) Abilities of technological design | | ✓ | | | | | | | | | ✓ |
| (12EST2) Understanding about science and technology | | ✓ | | | | | | | | | ✓ |

| National Science Content Standards | Nomenclatures | Dynamics | Electricity | Energy | Light | Magnetic | Simple Machines | Sounds |
|--|----------------------|-----------------|--------------------|---------------|--------------|-----------------|------------------------|---------------|
| (12BPS5) Conservation of energy and the increase in disorder | ✓ | | ✓ | ✓ | ✓ | | | |
| (12BPS6) Interactions of energy and matter | ✓ | | ✓ | ✓ | ✓ | ✓ | | ✓ |
| 12E Science and Technology | | | | | | | | |
| (12EST1) Abilities of technological design | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| (12EST2) Understanding about science and technology | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 12G History and Nature of Science | | | | | | | | |
| (12GHNS.1) Science as a human endeavor | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| (12GHNS.2) Nature of science | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| (12GHNS.3) History of science | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |