

PHYSICAL SCIENCES

| GRADE | NGSS | STEMSCOPES LESSON | SUBJECT AREA | MATERIAL TYPE | PHYSICAL MATERIALS |
|-----------|---------|-------------------|----------------|---------------|--|
| G5 | 5-PS1-2 | Changes to Matter | Thermodynamics | Equipment | heat plates, heat conductors: balls and ring, heat proof gloves, candle holder |
| | 5-PS1-2 | Changes to Matter | Chemistry | Equipment | glassware, scales, hot plates, mixer plate, bunsen burner, tongs, mits, safety goggles, pH meters, pH, temperature vernier probes, test tube holders, pH strips, droppers, molecule models, ring stands, pipette |

EARTH & SPACE SCIENCES

| GRADE | NGSS | STEMSCOPES LESSON | SUBJECT AREA | MATERIAL TYPE | EARTH & SPACE MATERIALS |
|-----------|----------|------------------------------|-------------------|---------------|--|
| G5 | 5-ESS2-1 | Earth's Systems Interactions | Geology | Models | water flow model |
| | 5-ESS2-2 | Water Sources | Geology | Games | water themed games |
| | 5-ESS2-2 | Water Sources | Geology | Maps/Posters | water themed posters |
| | 5-PS2-1 | Gravity | Geography | Models | drift globes |
| | 5-ESS1-2 | Earth's Rotation | Geography | Models | drift globes |
| | 5-ESS1-2 | Earth's Rotation | Space & Astronomy | Models | sun, moon & planets, earth globes, mars globe, moon globe, seasons globe |
| | 5-ESS1-2 | Earth's Rotation | Space & Astronomy | Equipment | styrofoam balls, sun spotters, telescope |

LIFE SCIENCES

| GRADE | NGSS | STEMSCOPES LESSON | SUBJECT AREA | MATERIAL TYPE | LIFE SCIENCE MATERIALS |
|-----------|---------|-----------------------------|--------------|---------------|----------------------------------|
| G5 | 5-LS1-1 | Matter and Energy in Plants | Botany | Models | Flower models, chloroplast model |
| | 5-LS2-1 | Food Webs | Ecosystems | Posters | Food web poster |
| | 5-LS2-1 | Ecosystems | Ecosystems | Equipment | scissors, landscape diorama |