



201 West Michigan Avenue  
Battle Creek, MI 49017  
Ph: (269) 213-3907  
Fax: (269) 965-9540  
[www.cerealcityscience.org](http://www.cerealcityscience.org)

## Ordering Information and Guidelines

January 2022 - January 2023

### Ordering

- **Order by fax:** (269)965-9540
- **Order by mail:** 201 West Michigan Ave., Battle Creek, MI 49017
- **Order by email:** [twells@bcamsc.org](mailto:twells@bcamsc.org)
- All orders must include a ship to address, a bill to address, contact name, phone number, and PO number.

### Consumable Pack

- Consumables may be purchased as a pack or items may be purchased separately.
- Individual consumable materials are identified under *Consumable Items* in the catalog.
- Consumable Packs contain all the consumable materials necessary for 32 students.
- **Items are sold in pre-packaged units which may not necessarily reflect the number of items required in the unit. Please reference your unit packing slip for exact quantities needed. Packing slips are available online at [www.cerealcityscience.org/curriculum](http://www.cerealcityscience.org/curriculum).**

### Organism Cards, Teacher Guides, and Student Journals

- Organism cards are NOT included in consumable packs; they must be purchased separately.
- Each Life Science Unit purchased comes with one organism card.
- Units do NOT include Teacher Guides or Student Journals. They are both separate purchases.
- **Organism cards are non-refundable and cannot be exchanged.**

### Shipping

- Your order will ship the most economical way. Please include telephone number and name of person to be contacted by the transportation company in order to attempt delivery.
- Indicate if you need inside delivery on your purchase order.
- **CAUTION** You will be responsible for additional inside delivery fees and all shipping fees.

#### Standard Shipping Charges

(per each order/PO #/ship to address)

Total	Each Order/PO #/Ship To Address
\$0 - \$99.99	\$15.50 minimum
\$100 - \$1,499	14%
\$1,500 - \$2,499	10%
\$2,500 - \$4,999	8%
\$5,000 - \$9,999	6%
\$10,000 - \$19,999	5%
\$20,000 - \$49,999	4%
\$50,000+	3%
Order Pickup	2%

**All orders MUST have shipping charges calculated into the PO amount.**

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## Terms of Sale\*

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### Payment

- Purchase orders and remit payment to:  
Cereal City Science  
201 West Michigan Ave.  
Battle Creek, MI 49017
- Credit Cards are not accepted

### Shipment, Risk of Loss, and Title

- Orders are shipped FOB Destination.

### Missing or Damaged Product

- Damaged or Missing product must be reported immediately upon receipt. Thirty (30) days after seller's INVOICE DATE, damaged goods become solely buyer's responsibility.

### Return Goods Policy

- All requests for return of products must be authorized by seller's customer relations department prior to returning product.

### Pricing of Products

- Seller's product pricing is subject to change at any time for any reason without notice.

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## Contact Us

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### Questions regarding:

- |                             |             |
|-----------------------------|-------------|
| • Ordering                  | • Shipping  |
| • Missing/Damaged Materials | • Organisms |
|                             | • Invoicing |

Contact: Timeka Wells (269) 213-3907  
twells@bcamsc.org

### Questions regarding:

- |                                  |                          |
|----------------------------------|--------------------------|
| • Teacher Guide Activities       | • Training and Workshops |
| • Professional Learning          | • Classroom Management   |
| • Curriculum Revisions & Updates |                          |

Contact: Sandy Erwin (269) 213-3908  
serwin@bcamsc.org

### Questions regarding:

- In-services/Registration

Contact: Paula Garrett (269) 213-3824  
pgarrett@bcamsc.org

\*Visit [cerealcityscience.org](http://cerealcityscience.org) for a complete review of the **Terms of Sale**.

District / Building: \_\_\_\_\_

2nd Edition						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
KENG	Kit		\$ 510.00		Weather and Climate <i>(TG/SJ Not Included)</i>	kit
KENG	Pack		\$ 117.00		Consumable Pack <i>(32 Students/1 Class Use)</i>	pack
KENG	5689		\$ 110.00		Teacher Guide, <b>2nd Edition</b> <i>(Answer Key Included)</i>	ea
KENG	5690		\$ 35.00		Teacher Guide, <b>2nd Edition - Upgrade from 1st Edition*</b>	ea
KENG	5687		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
KENG	5686		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

1st Edition - <i>Discontinued (Supported through June 2023)</i>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
KENG	Pack		\$ 117.00		Consumable Pack <i>(32 Students / 1 Class Use)</i>	pack
KENG	4757		\$ 110.00		Teacher Guide, <b>1st Edition</b> <i>(Answer Key Included)</i>	ea
KENG	4739		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
KENG	5216		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
KENG	293		\$ 9.25		aluminum foil, heavy duty	bx
KENG	5164		\$ 1.00		bag: paper, lunch, <b>10ct</b>	pkg
KENG	4817		\$ 4.25		bag: plastic 1 gallon, w/twist tie, <b>25ct</b>	pkg
KENG	5073		\$ 17.50		book: Beneath the Sun	ea
KENG	5077		\$ 15.00		book: Clouds, Rain, Clouds Again	ea
KENG	5075		\$ 9.30		book: Cloudy w/a Chance of Meatballs	ea
KENG	2420		\$ 9.30		book: The Wind Blew	set
KENG	5086		\$ 20.00		card set: KENG, Weather	set
KENG	621		\$ 1.00		card set: north, south, east, west	ea
KENG	4261		\$ 1.25		chalk, white, <b>12ct</b>	pkg
KENG	176		\$ 1.25		compass, small directional	ea
KENG	4559		\$ 1.50		craft stick, <b>50ct</b>	pkg
KENG	4230		\$ 3.75		index card, 5 x 8, pkg of 100, white	pkg
KENG	5088		\$ 7.00		picture set: KENG, Storm	set
KENG	1520		\$ 2.00		plastic wrap, box	bx
KENG	4296		\$ 5.50		rain gauge	ea
KENG	95		\$ 3.00		spray bottle	ea
KENG	659		\$ 4.00		string	ea
KENG	2426		\$ 8.95		thermometer: classroom demonstration	ea
KENG	2425		\$ 7.25		thermometer: outdoor model	ea
KENG	4799		\$ 10.50		thermometer: plastic, <b>10ct</b>	pkg
KENG	314		\$ 22.00		tub: grey container <i>(holds all materials)</i>	ea
KENG	4297		\$ 4.75		windsock	ea

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
KENG	2432		\$ 1.00		card: KENG/3ENG, centimeter strip, laminated	ea
KENG	5081		\$ 3.00		chart: Weather Watchers	ea
KENG	827		\$ 0.30		container, clear deli, 16 oz	ea
KENG	5574		\$ 6.25		cup: 5oz paper, <b>50ct</b>	slv
KENG	1671		\$ 10.00		cup: 9oz clear plastic, <b>50ct</b>	slv
KENG	1790		\$ 3.00		pipe cleaners 12", <b>50ct</b>	pkg
KENG	1802		\$ 4.50		plate, paper, 9", <b>100ct</b>	pkg
KENG	2430		\$ 4.59		ribbon, spool	ea
KENG	5091		\$ 18.25		UV beads, <b>640ct</b>	pkg
KENG	5079		\$ 7.25		weather stickers	set
KENG	742		\$ 1.00		wood: 23"	ea

*1st Edition* - Material is needed for the 1st Edition ONLY.

*2nd Edition* - Material is needed for the 2nd Edition ONLY.

### **KENG 2nd Edition Update (July 2022)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journal is compatible with the second edition teacher guide.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations in the unit did not change from the first edition to the second edition.

District / Building: \_\_\_\_\_

2nd Edition						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
KLNG	Kit		\$ 780.00		Plants and Animals Live Here (TG/SJ Not Included)	kit
KLNG	Pack		\$ 48.00		Consumable Pack (32 Students/1 Class Use)	pack
KLNG	5700		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
KLNG	5701		\$ 35.00		Teacher Guide, <b>2nd Edition</b> - Upgrade from 1st Edition*	ea
KLNG	5698		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
KLNG	5697		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea
KLNG	5319		\$ 90.00		Organism Card (KLNG) - <b>Non-Refundable</b> (moss mats, ferns, coleus, geranium, pill bugs, earthworms)	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

1st Edition - Discontinued (Supported through June 2023)						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
KLNG	Pack		\$ 48.00		Consumable Pack (32 Students / 1 Class Use)	pack
KLNG	4758		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
KLNG	4740		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
KLNG	5425		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea
KLNG	5319		\$ 90.00		Organism Card (KLNG) - <b>Non-Refundable</b> (moss mats, ferns, coleus, geranium, pill bugs, earthworms)	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
KLNG	1356		\$ 9.50		aquarium: 1 1/2 gallon	ea
KLNG	1357		\$ 9.50		aquarium: 1 1/2 gallon lid	ea
KLNG	5311		\$ 10.50		book: Animal Habitats	ea
KLNG	5315		\$ 16.50		book: Next Time You See a Pill Bug	ea
KLNG	5313		\$ 24.50		book: Plants Can't Sit Still	ea
KLNG	5309		\$ 7.25		book: Seed to Plant	ea
KLNG	1398		\$ 10.00		book: Wonderful Worms	ea
KLNG	5323		\$ 5.00		card set: KLNG, Animal cards	set
KLNG	5333		\$ 15.00		card set: KLNG, Earthworm External Anatomy	set
KLNG	5334		\$ 15.00		card set: KLNG, Earthworm Movement	set
KLNG	5325		\$ 6.60		card set: KLNG, Habitat Pictures	set
KLNG	5327		\$ 20.00		card set: KLNG, Human Impact	set
KLNG	5332		\$ 8.10		card set: KLNG, Living Card	set
KLNG	5331		\$ 8.10		card set: KLNG, Nonliving Card	set
KLNG	5329		\$ 5.00		card set: KLNG, Plant	set
KLNG	5321		\$ 20.00		card set: KLNG, Word Sort, <b>1st Edition</b>	set
KLNG	5765		\$ 20.00		card set: KLNG, Word Sort, <b>2nd Edition</b>	set
KLNG	211		\$ 1.00		cup: measuring	ea
KLNG	4789		\$ 15.00		hand lens magnifier: medium w/handle, 10ct	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
KLNG	5317		\$ 2.75		hand towel (dark cloth)	ea
KLNG	4790		\$ 5.00		lid, 9oz, Solo #662 with holes, <b>25ct</b>	pkg
KLNG	1495		\$ 0.60		pan, aluminum, 9" disposable	ea
KLNG	1520		\$ 2.00		plastic wrap, box	bx
KLNG	1318		\$ 13.50		seed: miscellaneous, 2 cups	pkg
KLNG	4683		\$ 6.00		spoon, measuring, tablespoon, <b>25ct</b>	pkg
KLNG	4659		\$ 1.75		spoon, small plastic, <b>25ct</b>	pkg
KLNG	4804		\$ 8.50		spoon, table, metal, <b>10ct</b>	pkg
KLNG	95		\$ 3.00		spray bottle	ea
KLNG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
KLNG	720		\$ 4.00		vinegar	ea
KLNG	2283		\$ 30.75		worm habitat	ea
KLNG	1711		\$ 2.50		yarn, skein	ea

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
KLNG	2284		\$ 1.50		alfalfa meal	bag
KLNG	5164		\$ 1.00		bag: paper, lunch, <b>10ct</b>	pkg
KLNG	713		\$ 3.25		bark, shredded (mulch) 6 x 6 bag	pkg
KLNG	1794		\$ 1.50		cotton swab, <b>50ct</b>	pkg
KLNG	5574		\$ 6.25		cup: 5oz paper, <b>50ct</b>	pkg
KLNG	1671		\$ 10.00		cup: 9 oz clear plastic, <b>50ct</b>	pkg
KLNG	4230		\$ 3.75		index card, 5 x 8, pkg of 100, white, <i>1st Edition</i>	pkg
KLNG	1805		\$ 5.50		pebbles: 5 cups	pkg
KLNG	2278		\$ 1.50		perlite	bag
KLNG	4676		\$ 2.00		sand: 1 cup	bag
KLNG	934		\$ 1.00		seed: bush beans	pkg
KLNG	946		\$ 6.50		soil, potting, 8 quart bag	bag

*1st Edition* - Material is needed for the 1st Edition ONLY.

*2nd Edition* - Material is needed for the 2nd Edition ONLY.

**KLNG 2nd Edition Update (July 2022)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journal is compatible with the second edition teacher guide.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations follow very closely from the first edition to the second edition. The changes in the supplies for this unit are minor and include:

**Added to unit:** No additions

**Removed from unit:** index card, 5 x 8, pkg of 100, white

**Material changes:** card set: KLNG, Word Sort, no words were added or removed, activity numbers were updated.

District / Building: \_\_\_\_\_

2nd Edition						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
KPNG	Kit		\$ 575.00		Motion: Pushes and Pulls (TG/SJ Not Included)	kit
KPNG	Pack		N/A		Consumable Pack	pack
KPNG	5665		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
KPNG	5666		\$ 35.00		Teacher Guide, <b>2nd Edition</b> - Upgrade from 1st Edition*	ea
KPNG	5663		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
KPNG	5662		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

1st Edition - Discontinued (Supported through June 2023)						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
KPNG	Pack		N/A		Consumable Pack	pack
KPNG	4756		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
KPNG	4738		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
KPNG	5094		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
KPNG	4776		\$ 1.00		alcohol swab, <b>10ct</b>	pkg
KPNG	4717		\$ 19.50		assorted balls: KPNG - Motion	pkg
KPNG	1364		\$ 18.99		balance, primary	ea
KPNG	4802		\$ 3.50		ball: ping pong, <b>10ct</b>	pkg
KPNG	33		\$ 1.50		ball: tennis	ea
KPNG	2408		\$ 0.35		ball: wooden 1 1/2"	ea
KPNG	2375		\$ 2.75		beach ball	ea
KPNG	2382		\$ 26.00		book: And Everyone Shouted, "Pull!"	ea
KPNG	5696		\$ 5.00		book: It's Not Junk, <b>2nd Edition</b>	ea
KPNG	2380		\$ 10.00		book: Move It! Motion, Forces & You	ea
KPNG	2376		\$ 0.55		bouncy ball	ea
KPNG	186		\$ 0.50		canister, round, 1" x 2" tulox with lid, <b>1st Edition</b>	ea
KPNG	5691		\$ 8.00		card set: Motion Symbols, <b>2nd Edition</b>	set
KPNG	4732		\$ 20.00		card set: Motion Word Sort, KPNG, <b>1st Edition</b>	set
KPNG	5683		\$ 20.00		card set: Motion Word Sort, KPNG, <b>2nd Edition</b>	set
KPNG	1365		\$ 0.75		golf ball	ea
KPNG	4652		\$ 4.00		marble, large shooter, <b>10ct</b>	pkg
KPNG	2398		\$ 6.00		ramp	ea
KPNG	598		\$ 0.75		ruler: wood metric	ea
KPNG	4667		\$ 7.50		tape measure: metric, <b>10ct</b>	pkg
KPNG	314		\$ 22.00		tub: grey container (holds all materials)	ea
KPNG	2378		\$ 6.50		vehicle (pull back action)	ea
KPNG	4567		\$ 10.00		washer: 5/16, <b>200ct</b> , <b>1st Edition</b>	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
KPNG	5754		\$ 10.00		chart set: classroom data w/stickers, <b>2nd Edition</b>	set

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

**District / Building:** \_\_\_\_\_

**KPNG 2nd Edition Update (February 2022)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journals will not correspond with the new second edition Teacher Guide, and vice versa.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations follow very closely from the first edition to the second edition. The changes in the supplies for this unit are minor and include:

**Added to unit:**

book: It's Not Junk, qty. 1

card set: KPNG, Motion Symbols, qty 1

chart set: classroom data w/stickers, qty, 1

**Removed from unit:**

canister, round 1" x 2" tulox w/lid (all)

washer: 5/16 (all)

**Material changes:**

*card set: KPNG, Motion Word Sort*, 9 words were removed, 6 words were added, activity numbers were updated and graphics

District / Building: \_\_\_\_\_

2nd Edition						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1ENG	Kit		\$ 510.00		Space Systems: Patterns & Cycles <i>(TG/SJ Not Included)</i>	kit
1ENG	Pack		\$ 50.00		Consumable Pack <i>(32 Students/1 Class Use)</i>	pack
1ENG	5732		\$ 110.00		Teacher Guide, <b>2nd Edition</b> <i>(Answer Key Included)</i>	ea
1ENG	5742		\$ 35.00		Teacher Guide, <b>2nd Edition</b> - Upgrade from 1st Edition*	ea
1ENG	5712		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
1ENG	5702		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

1st Edition - Discontinued (Supported through June 2023)						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1ENG	Pack		\$ 50.00		Consumable Pack <i>(32 Students / 1 Class Use)</i>	pack
1ENG	4760		\$ 110.00		Teacher Guide, <b>1st Edition</b> <i>(Answer Key Included)</i>	ea
1ENG	4742		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
1ENG	5217		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1ENG	5142		\$ 21.50		book: Faces of the Moon	ea
1ENG	5140		\$ 10.50		book: Phases of the Moon	ea
1ENG	5134		\$ 10.00		book: Sun Up, Sun Down	ea
1ENG	5136		\$ 21.00		book: Twilight Comes Twice	ea
1ENG	5138		\$ 10.00		book: What Shape is the Moon?	ea
1ENG	5167		\$ 1.00		book: When the Street Lights Come On!	ea
1ENG	5144		\$ 20.00		card set: 1ENG, Earth Sign	ea
1ENG	5158		\$ 20.00		card set: 1ENG, Star Sign	ea
1ENG	5150		\$ 20.00		card set: 1ENG, Word Sort	set
1ENG	621		\$ 1.00		card set: north, south, east, west	set
1ENG	5146		\$ 1.00		card: 1ENG, Garden Test Site Map	ea
1ENG	1843		\$ 14.00		lamp pedestal (white)	ea
1ENG	412		\$ 3.50		lightbulb, 60 watt (incandescent)	ea
1ENG	4667		\$ 7.50		tape measure: metric, <b>10ct</b>	pkg
1ENG	2425		\$ 7.25		thermometer: outdoor model	ea
1ENG	314		\$ 22.00		tub: grey container <i>(holds all materials)</i>	ea
1ENG	1711		\$ 2.50		yarn, skein	ea

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1ENG	4261		\$ 1.25		chalk, white, <b>12ct</b>	pkg
1ENG	4608		\$ 3.99		clay stick, <b>4ct</b>	pkg
1ENG	4559		\$ 1.50		craft stick, <b>50ct</b>	pkg
1ENG	4606		\$ 1.50		dot sticker: yellow, <b>24ct</b>	pkg
1ENG	5163		\$ 2.75		envelope: small white, <b>50ct</b>	pkg
1ENG	4262		\$ 2.00		paper, construction, black, 9 x 12, <b>50ct</b>	pkg
1ENG	1790		\$ 3.00		pipe cleaners 12", <b>50ct</b>	pkg
1ENG	5148		\$ 1.00		solar eclipse glasses	ea
1ENG	5160		\$ 3.51		sticky notes: 1ENG, star	pkg
1ENG	5152		\$ 0.75		tubing: clear plastic, 6"	ea

*1st Edition* - Material is needed for the 1st Edition ONLY.

*2nd Edition* - Material is needed for the 2nd Edition ONLY.

### **1ENG 2nd Edition Update (July 2022)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journal is compatible with the second edition teacher guide.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations in the unit did not change from the first edition to the second edition.

District / Building: \_\_\_\_\_

<b>2nd Edition</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1LNG	Kit		\$ 855.00		Plant and Animal Traits (TG/SJ Not Included)	kit
1LNG	Pack		\$ 58.00		Consumable Pack	pack
1LNG	5733		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
1LNG	5743		\$ 35.00		Teacher Guide, <b>2nd Edition - Upgrade from 1st Edition*</b>	ea
1LNG	5713		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
1LNG	5703		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea
1LNG	5384		\$ 55.00		Organism Card (1LNG) - <b>Non-Refundable</b> (8 fiddler grabs, 2 geraniums)	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

<b>1st Edition - Discontinued (Supported through June 2023)</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1LNG	Pack		\$ 58.00		Consumable Pack (32 Students / 1 Class Use)	pack
1LNG	4761		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
1LNG	4743		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
1LNG	5426		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea
1LNG	5384		\$ 55.00		Organism Card (1LNG) - <b>Non-Refundable</b> (8 fiddler grabs, 2 geraniums)	ea

<b>Non Consumable Material</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1LNG	293		\$ 9.25		aluminum foil, heavy duty	bx
1LNG	1097		\$ 2.50		aquarium plant, plastic hairgrass	ea
1LNG	1356		\$ 9.50		aquarium: 1 1/2 gallon	ea
1LNG	1357		\$ 9.50		aquarium: 1 1/2 gallon lid	ea
1LNG	1400		\$ 11.75		book: Animals and their Babies	ea
1LNG	5382		\$ 22.75		book: Ben Franklin's Big Splash	ea
1LNG	5380		\$ 10.00		book: Feathers Are Not Just for Flying	ea
1LNG	2447		\$ 8.80		book: Whose Baby Is This?	ea
1LNG	1811		\$ 2.65		brass fastener, <b>100ct</b>	bx
1LNG	5392		\$ 10.00		card set: 1LNG, Animals & Plants	set
1LNG	5388		\$ 7.50		card set: 1LNG, Fiddler Crab Anatomy	set
1LNG	5394		\$ 7.50		card set: 1LNG, Fiddler Crab Life Cycle	set
1LNG	5390		\$ 10.00		card set: 1LNG, Tool Analogies	set
1LNG	5386		\$ 20.00		card set: 1LNG, Word Sort	set
1LNG	944		\$ 0.30		container, clear deli, 8 oz	ea
1LNG	4236		\$ 5.25		crab food	ea
1LNG	1671		\$ 10.00		cup: 9 oz clear plastic, <b>50ct</b>	pkg
1LNG	4561		\$ 7.50		forcep, plastic, <b>10ct</b>	pkg
1LNG	4789		\$ 15.00		hand lens magnifier: medium w/handle, <b>10ct</b>	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1LNG	4790		\$ 5.00		lid, 9oz, Solo #662 with holes, <b>25ct</b>	pkg
1LNG	1045		\$ 1.50		paper clip: small <b>100ct</b>	bx
1LNG	4793		\$ 6.00		pencil w/ eraser (unsharpened), <b>25ct</b>	pkg
1LNG	4794		\$ 4.00		petri dish, <b>10ct</b>	pkg
1LNG	544		\$ 2.75		pliers	ea
1LNG	4251		\$ 1.25		salt, kosher, 1 cup	pkg
1LNG	618		\$ 3.00		screwdriver: flathead	ea
1LNG	644		\$ 0.25		spoon, measuring, teaspoon	ea
1LNG	659		\$ 4.00		string	ea
1LNG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
1LNG	919		\$ 3.25		water conditioner (stress coat)	ea
1LNG	1522		\$ 2.00		wax paper	bx
1LNG	1711		\$ 2.50		yarn, skein	ea

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1LNG	1787		\$ 1.75		cotton ball, <b>100ct</b>	pkg
1LNG	4559		\$ 1.50		craft sticks, <b>50ct</b>	pkg
1LNG	5574		\$ 6.25		cup: 5oz paper, <b>50ct</b>	pkg
1LNG	1790		\$ 3.00		pipe cleaners, 12" <b>50ct</b>	pkg
1LNG	5379		\$ 5.25		sand: marine 5#	bg
1LNG	1792		\$ 4.50		straw: clear, <b>100ct</b>	pkg
1LNG	705		\$ 0.75		tube: cardboard 1 1/2" x 12"	ea
1LNG	707		\$ 1.00		tubing: clear plastic, 30 cm (1ft)	ea

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

### **1LNG 2nd Edition Update (July 2022)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journal is compatible with the second edition teacher guide.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations in the unit did not change from the first edition to the second edition.

District / Building: \_\_\_\_\_

2nd Edition						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1PNG	Kit		\$ 680.00		Waves Light and Sound (TG/SJ Not Included)	kit
1PNG	Pack		\$ 20.00		Consumable Pack (32 Students/1 Class Use)	pack
1PNG	5655		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
1PNG	5656		\$ 35.00		Teacher Guide, <b>2nd Edition - Upgrade from 1st Edition*</b>	ea
1PNG	5653		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
1PNG	5652		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

1st Edition - Discontinued (Supported through June 2023)						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1PNG	Pack		\$ 20.00		Consumable Pack (32 Students / 1 Class Use)	pack
1PNG	4759		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
1PNG	4741		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
1PNG	5095		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1PNG	4449		\$ 15.95		acrylic sheets, colored	pkg
1PNG	293		\$ 9.25		aluminum foil, heavy duty	bx
1PNG	1370		\$ 1.00		battery, D	ea
1PNG	45		\$ 1.00		beans (navy)	pkg
1PNG	1411		\$ 9.30		book: Nothing Sticks Like a Shadow	ea
1PNG	4729		\$ 8.85		book: Sounds All Around	ea
1PNG	2392		\$ 8.25		book: The Listening Walk	ea
1PNG	99		\$ 3.00		box: 9 x 4 x 3 corrugated mailer w/ holes	ea
1PNG	112		\$ 2.50		can, tin, (pint)	ea
1PNG	4721		\$ 9.50		card set: 1PNG, Community Badges	set
1PNG	5682		\$ 5.00		card set: 1PNG, Light Interactions, <b>2nd Edition</b>	set
1PNG	4722		\$ 6.00		card set: 1PNG, Situations (Community Emergency)	set
1PNG	4720		\$ 8.00		card set: 1PNG, Station Label Cards, <b>1st Edition</b>	set
1PNG	5685		\$ 8.00		card set: 1PNG, Station Label Cards, <b>2nd Edition</b>	set
1PNG	4733		\$ 20.00		card set: 1PNG, Word Sort, <b>1st Edition</b>	set
1PNG	5681		\$ 20.00		card set: 1PNG, Word Sort, <b>2nd Edition</b>	set
1PNG	4608		\$ 3.99		clay stick, <b>4ct</b>	pkg
1PNG	4671		\$ 13.50		comb 6", <b>50ct</b>	pkg
1PNG	827		\$ 0.30		container, clear deli, 16 oz	ea
1PNG	188		\$ 0.30		container, clear deli, 32 oz	ea
1PNG	944		\$ 0.30		container, clear deli, 8 oz	ea
1PNG	4559		\$ 1.50		craft stick, <b>50ct</b>	pkg
1PNG	1671		\$ 10.00		cup: 9oz clear plastic, <b>50ct</b>	slv

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1PNG	283		\$ 2.75		flashlight	ea
1PNG	4821		\$ 3.25		game signals (plastic figures), <b>10ct</b>	pkg
1PNG	4562		\$ 2.75		golf tee, <b>25ct</b>	ea
1PNG	4232		\$ 2.00		index card, 3 x 5, pkg of 100, white	pkg
1PNG	388		\$ 1.15		jar: 4 oz glass w/lid	ea
1PNG	1843		\$ 14.00		lamp pedestal (white)	ea
1PNG	398		\$ 11.50		lamp, clamp	ea
1PNG	844		\$ 0.25		lid, deli container	ea
1PNG	412		\$ 3.50		lightbulb, 60 watt (incandescent)	ea
1PNG	1492		\$ 2.25		mirror, 3X5	ea
1PNG	1495		\$ 0.60		pan, aluminum, 9" disposable	ea
1PNG	1045		\$ 1.50		paper clip: small, <b>100ct</b>	bx
1PNG	1520		\$ 2.00		plastic wrap, box	bx
1PNG	4254		\$ 1.50		rice: 1 cup	pkg
1PNG	4467		\$ 2.75		rubber band assorted sizes, pkg	pkg
1PNG	600		\$ 0.75		ruler: plastic metric	ea
1PNG	4805		\$ 8.50		spoon, tea, metal, <b>10ct</b>	ea
1PNG	659		\$ 4.00		string	ea
1PNG	4667		\$ 7.50		tape measure: metric, <b>10ct</b>	ea
1PNG	858		\$ 1.50		toothpicks	pkg
1PNG	1505		\$ 0.40		tray: styrofoam, 10-3/4 x 5-1/2 x 2 (#10K)	ea
1PNG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
1PNG	705		\$ 0.75		tube: cardboard 1 1/2" x 12"	ea
1PNG	711		\$ 5.50		tuning fork: 5-1/2" 512 C	ea
1PNG	1093		\$ 5.50		tuning fork: 8" 256 C	ea
1PNG	1522		\$ 2.00		wax paper	roll

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
1PNG	4260		\$ 4.75		balloon, 9" assorted colors, <b>25ct</b>	pkg
1PNG	98		\$ 0.50		box: 4 x 4 x 4 fold type	ea
1PNG	4261		\$ 1.25		chalk, white, <b>12ct</b>	pkg
1PNG	5574		\$ 6.25		cup: 5oz paper, <b>50ct</b>	slv
1PNG	4572		\$ 1.40		salt packet, <b>25ct</b>	ea
1PNG	1792		\$ 4.50		straw: clear, <b>100ct</b>	pkg

*1st Edition* - Material is needed for the 1st Edition ONLY.

*2nd Edition* - Material is needed for the 2nd Edition ONLY.

**District / Building:** \_\_\_\_\_

**1PNG 2nd Edition Update (December 2021)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journals will not correspond with the new second edition Teacher Guide, and vice versa.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations follow very closely from the first edition to the second edition. The changes in the supplies for this unit are minor and include:

**Added to unit:**

box: 9 x 4 x 3 (light box w/slit), qty. 15 (1st Ed required 1/2nd Ed requires 16)

card set: 1PNG, Light Interactions, qty 1 (1st Ed required 0/2nd Ed requires 1)

game signals (plastic figures), qty. 14 (1st Ed required 2/2nd Ed requires 16)

tube: cardboard 1 1/2" x 12", qty. 15 (1st Ed required 1/2nd Ed requires 16)

tub: grey container (for holding material), qty. 1

**Removed from unit:** No items removed

**Material changes:**

card set: 1PNG, Word Sort 2nd Ed, 4 words were removed, 3 words were added, activity numbers and graphics were updated.

card set: 1PNG, Station Labels, 2nd Ed, cards were updated with station numbers to aid in sorting.

District / Building: \_\_\_\_\_

<b>2nd Edition</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2ENG	Kit		\$ 650.00		Changing Earth: Today and Over Time (TG/SJ Not Included)	kit
2ENG	Pack		\$ 40.00		Consumable Pack (32 Students / 1 Class Use)	pack
2ENG	5734		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
2ENG	5744		\$ 35.00		Teacher Guide, <b>2nd Edition</b> - Upgrade from 1st Edition*	ea
2ENG	5714		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
2ENG	5704		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

<b>1st Edition - Discontinued (Supported through June 2023)</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2ENG	Pack		\$ 40.00		Consumable Pack (32 Students / 1 Class Use)	pack
2ENG	4763		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
2ENG	4745		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
2ENG	5218		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea

<b>Non Consumable Material</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2ENG	5161		\$ 9.30		book: Earth's Landforms & Bodies of Water	ea
2ENG	5169		\$ 9.30		book: E'quakes, Eruptions & Other Events	ea
2ENG	1386		\$ 7.50		book: Follow Water From Brook to Ocean	ea
2ENG	5172		\$ 9.30		book: How Do Wind & Water Change Earth?	ea
2ENG	4136		\$ 2.10		card set: 2ENG, Bodies of Water	set
2ENG	4137		\$ 2.10		card set: 2ENG, Landforms	set
2ENG	4135		\$ 4.15		card set: 2ENG, Regional Plant & Animals	set
2ENG	5197		\$ 7.00		card set: 2ENG, US topographic placemat	set
2ENG	5175		\$ 6.00		card set: 2ENG, Weathering	set
2ENG	5173		\$ 20.00		card set: 2ENG, Word Sort, <b>1st Edition</b>	set
2ENG	5755		\$ 20.00		card set: 2ENG, Word Sort, <b>2nd Edition</b>	set
2ENG	944		\$ 0.30		container, clear deli, 8 oz	ea
2ENG	211		\$ 1.00		cup: measuring	ea
2ENG	4784		\$ 12.50		cup: 4oz souffle (with hole), <b>25ct</b>	pkg
2ENG	1685		\$ 9.75		cup: 5oz clear sundae, <b>50ct</b>	slv
2ENG	1671		\$ 10.00		cup: 9oz clear plastic, <b>50ct</b>	slv
2ENG	4821		\$ 3.25		game signals (plastic figures), <b>10ct</b>	pkg
2ENG	306		\$ 2.20		globe, inflatable	ea
2ENG	1523		\$ 3.75		goggles, chemical splash	ea
2ENG	4789		\$ 15.00		hand lens magnifier: medium w/handle, <b>10ct</b>	pkg
2ENG	466		\$ 1.25		outside corner pieces, 30 cm	ea
2ENG	5376		\$ 9.44		picture: earth, <b>set of 8</b>	set
2ENG	1520		\$ 2.00		plastic wrap, box	bx

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2ENG	5201		\$ 3.50		poster: US topographic	ea
2ENG	587		\$ 0.95		rock: 1" common	ea
2ENG	598		\$ 0.75		ruler: wood metric	ea
2ENG	1801		\$ 5.00		sand: 5 cups	pkg
2ENG	4683		\$ 6.00		spoon, measuring, tablespoon, <b>25ct</b>	ea
2ENG	95		\$ 3.00		spray bottle	ea
2ENG	659		\$ 4.00		string	ea
2ENG	858		\$ 1.50		toothpicks	bx
2ENG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
2ENG	1522		\$ 2.00		wax paper	bx
2ENG	5198		\$ 2.50		yarn, blue, skein	ea
2ENG	1711		\$ 2.50		yarn, skein	ea

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2ENG	4776		\$ 1.00		alcohol swab, <b>10ct</b>	pkg
2ENG	713		\$ 3.25		bark, shredded (mulch) 6 x 6 bag	pkg
2ENG	4608		\$ 3.99		clay stick, <b>4ct</b>	pkg
2ENG	5574		\$ 6.25		cup: 5oz paper, <b>50ct</b>	slv
2ENG	4230		\$ 3.75		index card, 5 x 8, pkg of 100, white	pkg
2ENG	1557		\$ 1.00		pan, aluminum, 1/4 sheet disposable	ea
2ENG	1805		\$ 5.50		pebbles: 5 cups	pkg
2ENG	1801		\$ 4.75		sand: 5 cups	pkg
2ENG	4151		\$ 2.50		seed: grass, 1/2 cup	pkg
2ENG	946		\$ 6.50		soil, potting, 8 quart bag	bg
2ENG	1792		\$ 4.50		straw: clear, <b>100ct</b>	pkg
2ENG	4664		\$ 2.75		tag board (poster board): 5 x 7, <b>25ct</b>	pkg

### **2ENG 2nd Edition Update (July 2022)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journal is compatible with the second edition teacher guide.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations in the unit did not change from the first edition to the second edition.

**Added to unit:** No additions

**Removed from unit:** No items removed

**Material changes:** card set: 2ENG, Word Sort, 10 words were removed, 2 words were added and activity numbers were

District / Building: \_\_\_\_\_

<b>2nd Edition</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2LNG	Kit		\$ 790.00		Plant and Animal Relationships (TG/SJ Not Included)	kit
2LNG	Pack		\$ 25.00		Consumable Pack (32 Students / 1 Class Use)	pack
2LNG	5735		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
2LNG	5745		\$ 35.00		Teacher Guide, <b>2nd Edition</b> - Upgrade from 1st Edition*	ea
2LNG	5715		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
2LNG	5706		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea
2LNG	5377		\$ 99.00		Organism Card (2LNG) - <b>Non-Refundable</b> (18 Geraniums)	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

<b>1st Edition - Discontinued (Supported through June 2023)</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2LNG	Pack		\$ 25.00		Consumable Pack (32 Students / 1 Class Use)	pack
2LNG	4764		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
2LNG	4746		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
2LNG	5427		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea
2LNG	5377		\$ 99.00		Organism Card (2LNG) - <b>Non-Refundable</b> (18 Geraniums)	ea

<b>Non Consumable Material</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2LNG	4449		\$ 15.95		acrylic sheets, colored	pkg
2LNG	293		\$ 9.25		aluminum foil, heavy duty	bx
2LNG	5367		\$ 11.95		book: Achoo! Why Pollen Counts	ea
2LNG	5363		\$ 19.99		book: Over and Under the Pond	ea
2LNG	5365		\$ 10.00		book: Planting the Wild Garden	ea
2LNG	2254		\$ 11.50		book: Under One Rock	ea
2LNG	5369		\$ 6.40		card set: 2LNG, Bee signs	set
2LNG	5359		\$ 8.00		card set: 2LNG, Nature Pictures	set
2LNG	5361		\$ 20.00		card set: 2LNG, Word Sort	set
2LNG	188		\$ 0.30		container, clear deli, 32 oz	ea
2LNG	944		\$ 0.30		container, clear deli, 8 oz	ea
2LNG	211		\$ 1.00		cup: measuring	ea
2LNG	5371		\$ 0.25		flag markers	ea
2LNG	4789		\$ 15.00		hand lens magnifier: medium w/handle, 10ct	pkg
2LNG	398		\$ 11.50		lamp, clamp	ea
2LNG	412		\$ 3.50		lightbulb, 60 watt (incandescent)	ea
2LNG	1557		\$ 1.00		pan, aluminum, 1/4 sheet disposable	ea
2LNG	1495		\$ 1.00		pan, aluminum, 9" disposable	ea
2LNG	1520		\$ 2.00		plastic wrap, box	bx

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2LNG	598		\$ 0.75		ruler: wood metric	ea
2LNG	4683		\$ 6.00		spoon, measuring, tablespoon, <b>25ct</b>	pkg
2LNG	95		\$ 3.00		spray bottle	ea
2LNG	659		\$ 4.00		string	ea
2LNG	4667		\$ 7.50		tape measure: metric, <b>10ct</b>	pkg
2LNG	4798		\$ 27.50		thermometer: C 110 / F 230, metal V, <b>10ct</b>	pkg
2LNG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
2LNG	1711		\$ 2.50		yarn, skein	ea

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2LNG	5164		\$ 1.00		bag: paper, lunch, <b>10ct</b>	pkg
2LNG	1787		\$ 1.75		cotton ball, <b>100ct</b>	pkg
2LNG	1794		\$ 1.50		cotton swab, <b>50ct</b>	pkg
2LNG	4559		\$ 1.50		craft sticks, <b>50ct</b>	pkg
2LNG	5574		\$ 6.25		cup: 5oz paper, <b>50ct</b>	pkg
2LNG	1671		\$ 10.00		cup: 9 oz clear plastic, <b>50ct</b>	pkg
2LNG	4244		\$ 1.50		feather, <b>30ct</b>	pkg
2LNG	1790		\$ 3.00		pipe cleaners, 12" <b>50ct</b>	pkg
2LNG	4665		\$ 3.50		tag board (poster board): 8 x 10, <b>25ct</b>	pkg
2LNG	705		\$ 0.75		tube: cardboard 1 1/2" x 12"	ea

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

### **2LNG 2nd Edition Update (July 2022)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journal is compatible with the second edition teacher guide.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations in the unit did not change from the first edition to the second edition.

**Added to unit:** No additions

**Removed from unit:** No items removed

**Material changes:** *card set: 2LNG, Word Sort*, no words were added or removed, activity numbers were updated.

District / Building: \_\_\_\_\_

<b>2nd Edition</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2PNG	Kit		\$ 680.00		Solving Problems with Properties (TG/SJ Not Included)	kit
2PNG	Pack		\$ 25.00		Consumable Pack (32 Students/1 Class Use)	pack
2PNG	5660		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
2PNG	5661		\$ 35.00		Teacher Guide, <b>2nd Edition</b> - Upgrade from 1st Edition*	ea
2PNG	5658		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
2PNG	5657		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

<b>1st Edition - Discontinued (Supported through June 2023)</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2PNG	Pack		\$ 25.00		Consumable Pack (32 Students / 1 Class Use)	pack
2PNG	4762		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
2PNG	4744		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
2PNG	5096		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea

<b>Non Consumable Material</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2PNG	293		\$ 9.25		aluminum foil, heavy duty	bx
2PNG	1356		\$ 9.50		aquarium: 1 1/2 gallon	ea
2PNG	1364		\$ 18.99		balance, primary	ea
2PNG	4806		\$ 9.30		book: Change It!	ea
2PNG	2267		\$ 8.75		book: On Herman's Pond	ea
2PNG	4808		\$ 4.00		book: What Would Happen If? <b>1st Edition</b>	ea
2PNG	4922		\$ 20.00		card set: 2PNG, Engineering Animals	set
2PNG	4734		\$ 20.00		card set: 2PNG, Word Sort, <b>1st Edition</b>	set
2PNG	5680		\$ 20.00		card set: 2PNG, Word Sort, <b>2nd Edition</b>	set
2PNG	827		\$ 0.30		container, clear deli, 16 oz	ea
2PNG	4782		\$ 3.50		container, pie-shape, <b>10ct</b>	pkg
2PNG	4783		\$ 3.50		container, plastic, square, <b>10ct</b>	pkg
2PNG	4569		\$ 4.25		cube, 1cm, plastic, <b>100ct</b>	pkg
2PNG	211		\$ 1.00		cup: measuring	ea
2PNG	1671		\$ 10.00		cup: 9oz clear plastic, <b>50ct</b>	slv
2PNG	4820		\$ 2.00		domino, <b>10ct</b>	pkg
2PNG	296		\$ 3.30		food coloring, blue	btl
2PNG	4561		\$ 7.50		forcep, plastic, <b>10ct</b>	pkg
2PNG	303		\$ 0.85		funnel	ea
2PNG	4821		\$ 3.25		game signals (plastic figures), <b>10ct</b>	pkg
2PNG	4789		\$ 15.00		hand lens magnifier: medium w/handle, <b>10ct</b>	pkg
2PNG	1479		\$ 24.50		hot plate	ea

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2PNG	4822		\$ 4.00		lid, 9oz, Solo # 662, <b>25ct</b>	pkg
2PNG	467		\$ 1.90		oven mitt/hot pad	ea
2PNG	1495		\$ 0.60		pan, aluminum, 9" disposable	ea
2PNG	477		\$ 8.50		pan, sauce, 1 quart	ea
2PNG	4566		\$ 2.50		pipette 1ml, <b>25ct</b>	pkg
2PNG	598		\$ 0.55		ruler: wood metric, <b>2nd Edition</b>	ea
2PNG	95		\$ 3.00		spray bottle	ea
2PNG	4727		\$ 19.50		solving problems with properties sorting bag: 2PNG	bag
2PNG	4798		\$ 27.50		thermometer: C 110 / F 230, metal V, <b>10ct</b>	pkg
2PNG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
2PNG	707		\$ 1.00		tubing: clear plastic, 30 cm (1ft)	ea
2PNG	720		\$ 4.00		vinegar, <b>1st Edition</b>	btl

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
2PNG	4817		\$ 4.25		bag: plastic 1 gallon, w/twist tie, <b>25ct</b>	pkg
2PNG	4974		\$ 1.00		candle, birthday, <b>10ct</b>	pkg
2PNG	4276		\$ 1.50		chocolate chips, 4oz	pkg
2PNG	4608		\$ 3.99		clay stick, <b>4ct</b>	pkg
2PNG	1790		\$ 3.00		pipe cleaners 12", <b>50ct</b>	pkg
2PNG	1792		\$ 4.50		straw: clear, <b>100ct</b>	pkg
2PNG	4819		\$ 9.50		straw: paper, <b>100ct</b>	pkg
2PNG	858		\$ 1.50		toothpicks	bx

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

### **2PNG 2nd Edition Update (November 2021)**

**Name of unit changed to: Solving Problems with Properties**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journals will not correspond with the new second edition Teacher Guide, and vice versa.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations follow very closely from the first edition to the second edition. The changes in the supplies for this unit are minor and include:

#### **Added to unit:**

pan, aluminum, 9" disposable, qty. 2 (1st Ed required 16 / 2nd Ed requires 18)

ruler: wood metric, qty 1 (1st Ed required 0 / 2nd Ed requires 1)

thermometer: C110 / F230, metal V, qty. 16 (1st Ed required 16 / 2nd Ed requires 32)

**Removed from unit:** vinegar: white, qty. 1

#### **Material changes:**

**book:** *What Would Happen If?* This book will be updated to the 2nd Edition when current inventory is depleted, change is not major and does not warrant purchasing new.

**card set:** 2PNG, *Word Sort*, 2 words were removed, 10 words were added and activity numbers were updated.

District / Building: \_\_\_\_\_

2nd Edition						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3ENG	Kit		\$ 630.00		Weather, Climate and Natural Hazards (TG/SJ Not Included)	kit
3ENG	Pack		\$ 45.00		Consumable Pack (32 Students / 1 Class Use)	pack
3ENG	5736		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
3ENG	5746		\$ 35.00		Teacher Guide, <b>2nd Edition - Upgrade from 1st Edition*</b>	ea
3ENG	5716		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
3ENG	5705		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

1st Edition - Discontinued (Supported through June 2023)						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3ENG	Pack		\$ 45.00		Consumable Pack (32 Students/1 Class Use)	pack
3ENG	4766		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
3ENG	4748		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
3ENG	5219		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3ENG	1360		\$ 7.50		aquarium: 1 gallon	ea
3ENG	5105		\$ 33.95		barometer	ea
3ENG	2422		\$ 7.00		book: Air Is All Around You	ea
3ENG	5101		\$ 10.30		book: Climate Zones	ea
3ENG	5119		\$ 16.50		book: Next Time You See a Cloud	ea
3ENG	5121		\$ 8.50		book: The Storm	ea
3ENG	112		\$ 2.50		can, tin, (pint)	ea
3ENG	5092		\$ 1.56		canister, round, 2" x 6" tulox with lid	ea
3ENG	5109		\$ 6.00		card set: 3ENG, Cloud Cover	set
3ENG	5758		\$ 20.00		card set: 3ENG, On the Same Day	set
3ENG	5111		\$ 6.00		card set: 3ENG, Weather Station	set
3ENG	5107		\$ 20.00		card set: 3ENG, Word Sort, <b>1st Edition</b>	set
3ENG	5757		\$ 20.00		card set: 3ENG, Word Sort, <b>2nd Edition</b>	set
3ENG	621		\$ 1.00		card set: north, south, east, west	set
3ENG	4261		\$ 1.25		chalk, white, <b>12ct</b>	pkg
3ENG	4608		\$ 3.99		clay stick, <b>4ct</b>	pkg
3ENG	176		\$ 1.25		compass, small directional	ea
3ENG	211		\$ 1.00		cup: measuring	ea
3ENG	296		\$ 3.30		food coloring, blue	btl
3ENG	298		\$ 3.30		food coloring, red	ea
3ENG	4821		\$ 3.25		game signals (plastic figures), <b>10ct</b>	pkg
3ENG	5114		\$ 8.00		glue, silicone	ea
3ENG	398		\$ 11.50		lamp, clamp	ea

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3ENG	412		\$ 3.50		lightbulb, 60 watt (incandescent)	ea
3ENG	4332		\$ 10.95		map, world	ea
3ENG	430		\$ 0.55		matches	bx
3ENG	454		\$ 0.05		nail, steel, 12D	ea
3ENG	1557		\$ 1.00		pan, aluminum, 1/4 sheet disposable	ea
3ENG	1495		\$ 1.00		pan, aluminum, 9" disposable	ea
3ENG	519		\$ 3.25		petroleum jelly	ea
3ENG	1520		\$ 2.00		plastic wrap, box	bx
3ENG	4607		\$ 2.00		push pin, <b>100ct</b>	pkg
3ENG	4296		\$ 5.50		rain gauge	ea
3ENG	2430		\$ 4.59		ribbon, spool	roll
3ENG	600		\$ 0.75		ruler: plastic metric	ea
3ENG	95		\$ 3.00		spray bottle	ea
3ENG	659		\$ 4.00		string	ea
3ENG	4667		\$ 7.50		tape measure: metric, <b>10ct</b>	pkg
3ENG	4798		\$ 27.50		thermometer: C 110 / F 230, metal V, <b>10ct</b>	pkg
3ENG	2425		\$ 7.25		thermometer: outdoor model	ea
3ENG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
3ENG	4297		\$ 4.75		windsock	ea

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3ENG	4817		\$ 4.25		bag: plastic 1 gallon, w/twist tie, <b>25ct</b>	pkg
3ENG	4578		\$ 3.00		bag: plastic, 2mil, 3 x 4 resealable, <b>100ct</b>	pkg
3ENG	5124		\$ 14.50		bag: plastic, 4mil, 8 x 8 resealable, <b>100ct</b>	ea
3ENG	4260		\$ 4.75		balloon, 9" assorted colors, <b>25ct</b>	pkg
3ENG	98		\$ 0.50		box: 4 x 4 x 4 fold type	ea
3ENG	2432		\$ 0.55		card: KENG/3ENG, centimeter strip, laminated	ea
3ENG	5116		\$ 3.00		chart: Weather Trackers (3ENG)	ea
3ENG	827		\$ 0.30		container, clear deli, 16 oz	ea
3ENG	4559		\$ 1.50		craft stick, <b>50ct</b>	pkg
3ENG	5574		\$ 6.25		cup: 5oz paper, <b>50ct</b>	slv
3ENG	1671		\$ 10.00		cup: 9oz clear plastic, <b>50ct</b>	slv
3ENG	4258		\$ 1.85		rubber band #32, <b>50ct</b>	pkg
3ENG	1801		\$ 5.00		sand: 5 cups	pkg
3ENG	1798		\$ 4.75		soil, garden, 5 cups	pkg
3ENG	1792		\$ 4.50		straw: clear, <b>100ct</b>	pkg
3ENG	4664		\$ 2.75		tag board (poster board): 5 x 7, <b>25ct</b>	pkg
3ENG	4666		\$ 3.25		tag board (poster board): 9 x 12, <b>25ct</b>	pkg
3ENG	714		\$ 0.02		twist tie	ea
3ENG	742		\$ 1.00		wood: 23"	ea

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

**District / Building:** \_\_\_\_\_

**3ENG 2nd Edition Update (July 2022)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journal is compatible with the second edition teacher guide.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations in the unit did not change from the first edition to the second edition.

**Added to unit:** No additions

**Removed from unit:** No items removed

**Material changes:** *card set: On the Same Day, 7 sets of 6 were added*

District / Building: \_\_\_\_\_

2nd Edition						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3LNG	Kit		\$ 975.00		Life Cycles and Survival in an Ecosystem (TG/SJ Not Included)	kit
3LNG	Pack		\$ 25.00		Consumable Pack (32 Students / 1 Class Use)	pack
3LNG	5737		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
3LNG	5747		\$ 35.00		Teacher Guide, <b>2nd Edition</b> - Upgrade from 1st Edition*	ea
3LNG	5717		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
3LNG	5707		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea
3LNG	5413		\$ 70.00		Organism Card (3LNG) - <b>Non-Refundable</b> (frogg eggs/tadpoles)	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

1st Edition - Discontinued (Supported through June 2023)						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3LNG	Pack		\$ 25.00		Consumable Pack (32 Students / 1 Class Use)	pack
3LNG	4767		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
3LNG	4749		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
3LNG	5428		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea
3LNG	5413		\$ 70.00		Organism Card (3LNG) - <b>Non-Refundable</b> (frogg eggs/tadpoles)	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3LNG	5470		\$ 2.25		bandana	ea
3LNG	4690		\$ 11.95		book: Figuring Out Fossils	ea
3LNG	5443		\$ 9.30		book: Frogs	ea
3LNG	5445		\$ 10.50		book: How Do Animals Communicate?	ea
3LNG	5449		\$ 19.99		book: The One and Only Me	ea
3LNG	5447		\$ 21.50		book: When Rain Falls	ea
3LNG	5480		\$ 10.00		card set: 3LNG, Animal Cards	set
3LNG	5476		\$ 5.00		card set: 3LNG, Catastrophic Events/Environmental Change	set
3LNG	5463		\$ 10.00		card set: 3LNG, Frog Pictures	set
3LNG	5484		\$ 20.00		card set: 3LNG, Habitat Pictures	set
3LNG	5482		\$ 10.00		card set: 3LNG, Plant	set
3LNG	5461		\$ 10.00		card set: 3LNG, Rabbit/Hare Pictures	set
3LNG	5478		\$ 6.00		card set: 3LNG, Situations	set
3LNG	5451		\$ 20.00		card set: 3LNG, Word Sort, <b>1st Edition</b>	set
3LNG	5780		\$ 20.00		card set: 3LNG, Word Sort, <b>2nd Edition</b>	set
3LNG	2434		\$ 29.00		classroom habitat / aquarium 3 gallon	ea
3LNG	1466		\$ 4.25		colander, 1.5qt	ea
3LNG	4671		\$ 13.50		comb 6", <b>50ct</b>	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3LNG	827		\$ 0.30		container, clear deli, 16 oz	ea
3LNG	944		\$ 0.30		container, clear deli, 8 oz	ea
3LNG	1671		\$ 10.00		cup: 9 oz clear plastic, <b>50ct</b>	slv
3LNG	4787		\$ 3.50		dowel: 1/2" x 6", <b>10ct</b>	pkg
3LNG	924		\$ 1.75		fish net	ea
3LNG	1977		\$ 15.50		fossil set	pkg
3LNG	4789		\$ 15.00		hand lens magnifier: medium w/handle, <b>10ct</b>	pkg
3LNG	4822		\$ 4.00		lid, 9oz, Solo #662, <b>25ct</b>	pkg
3LNG	1045		\$ 1.50		paper clip: small, <b>100ct</b>	bx
3LNG	587		\$ 0.95		rock: 1" common	ea
3LNG	4467		\$ 2.75		rubber band assorted sizes, pkg	pkg
3LNG	598		\$ 0.75		ruler: wood metric	ea
3LNG	934		\$ 1.00		seed: bush beans	pkg
3LNG	5469		\$ 4.50		tadpole food	ea
3LNG	919		\$ 3.25		water conditioner (stress coat)	ea

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3LNG	891		\$ 7.50		aquarium gravel, 8 cups (5.5lbs)	bag
3LNG	4260		\$ 4.75		balloon, 9" assorted colors, <b>25ct</b>	pkg
3LNG	4559		\$ 1.50		craft sticks, <b>50ct</b>	pkg
3LNG	4230		\$ 3.75		index card, 5 x 8, pkg of 100, white	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

### **3LNG 2nd Edition Update (July 2022)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journal is compatible with the second edition teacher guide.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations in the unit did not change from the first edition to the second edition.

**Added to unit:** No additions

**Removed from unit:** No items removed

**Material changes:** card set: 3LNG, Word Sort, 6 words were added, activity numbers were updated

District / Building: \_\_\_\_\_

<b>2nd Edition</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3PNG	Kit		\$ 825.00		Forces and Interactions <i>(TG/SJ Not Included)</i>	kit
3PNG	Pack		\$ 47.00		Consumable Pack <i>(32 Students/1 Class Use)</i>	pack
3PNG	5617		\$ 110.00		Teacher Guide, <b>2nd Edition</b> <i>(Answer Key Included)</i>	ea
3PNG	5622		\$ 35.00		Teacher Guide, <b>2nd Edition</b> - Upgrade from 1st Edition*	ea
3PNG	5615		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
3PNG	5614		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

<b>1st Edition - Discontinued (Supported through June 2023)</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3PNG	Pack		\$ 47.00		Consumable Pack (32 Students/1 Class Use)	pack
3PNG	4765		\$ 110.00		Teacher Guide, <b>1st Edition</b> <i>(Answer Key Included)</i>	ea
3PNG	4747		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
3PNG	5097		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea

<b>Non Consumable Material</b>						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3PNG	293		\$ 9.25		aluminum foil, heavy duty	bx
3PNG	1364		\$ 18.99		balance, primary	ea
3PNG	33		\$ 1.50		ball: tennis	ea
3PNG	4778		\$ 15.50		battery holder, <b>10ct</b>	ea
3PNG	4811		\$ 1.00		battery, C	ea
3PNG	1370		\$ 1.00		battery, D	ea
3PNG	1387		\$ 8.75		book: Herman's Moving Experience	ea
3PNG	1899		\$ 8.25		book: What Makes a Magnet	ea
3PNG	4701		\$ 1.00		bucket (cup) mini with handle	ea
3PNG	4735		\$ 20.00		card set: 3PNG, Word Sort, <b>1st/2nd Edition</b>	set
3PNG	1787		\$ 1.75		cotton ball, <b>100ct</b>	pkg
3PNG	4569		\$ 4.25		cube, 1cm, plastic, <b>100ct</b>	pkg
3PNG	1671		\$ 10.00		cup: 9oz clear plastic, <b>50ct</b>	slv
3PNG	4232		\$ 2.00		index card, 3 x 5, pkg of 100, white	pkg
3PNG	4563		\$ 3.25		jumping frog, <b>25ct</b>	pkg
3PNG	415		\$ 4.75		magnet, bar	ea
3PNG	1689		\$ 1.85		marble, <b>100ct</b>	pkg
3PNG	4653		\$ 3.50		material felt, <b>10ct</b>	pkg
3PNG	4576		\$ 1.50		nail, iron 6D, <b>25ct</b>	pkg
3PNG	1045		\$ 1.50		paper clip: small, <b>100ct</b>	bx
3PNG	479		\$ 0.50		paper punches <i>(circles)</i>	pkg
3PNG	4566		\$ 2.50		pipette 1ml, <b>25ct</b>	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3PNG	1520		\$ 2.00		plastic wrap, box	bx
3PNG	4256		\$ 5.00		rope, 10 meters	ea
3PNG	4259		\$ 1.85		rubber band #64, <b>50ct</b>	pkg
3PNG	4153		\$ 4.50		rubber track, 36"	ea
3PNG	598		\$ 0.75		ruler: wood metric	ea
3PNG	4658		\$ 3.00		sandpaper: 8 x 10, <b>10ct</b>	pkg
3PNG	5024		\$ 2.00		screwdriver: mini	ea
3PNG	625		\$ 1.75		soap, liquid, yellow, 2 oz	btl
3PNG	4683		\$ 6.00		spoon, measuring, tablespoon, <b>25ct</b>	ea
3PNG	659		\$ 4.00		string	ea
3PNG	4667		\$ 7.50		tape measure: metric, <b>10ct</b>	pkg
3PNG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
3PNG	4810		\$ 12.95		vehicle (battery operated)	ea
3PNG	4567		\$ 10.00		washer: 5/16, <b>200ct</b>	pkg
3PNG	1522		\$ 2.00		wax paper	bx
3PNG	4731		\$ 16.50		wire: 16 pieces, 60cm w/ends stripped	set
3PNG	740		\$ 3.00		wood block: with eye hook & sandpaper	ea
3PNG	1655		\$ 5.00		wood: one piece ramp (23" long)	ea

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
3PNG	4809		\$ 1.25		aquarium gravel: 1 cup	pkg
3PNG	4260		\$ 4.75		balloon, 9" assorted colors, <b>25ct</b>	pkg
3PNG	5612		\$ 25.00		card set: shafts and arrow heads, <b>2nd Edition</b>	set
3PNG	1789		\$ 1.50		coffee stirrer, <b>50ct</b>	pkg
3PNG	4671		\$ 13.50		comb 6", <b>50ct</b>	pkg
3PNG	4676		\$ 2.00		sand: 1 cup	pkg
3PNG	1792		\$ 4.50		straw: clear, <b>100ct</b>	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

#### **3PNG 2nd Edition Update (March 2020)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journals will not correspond with the new second edition Teacher Guide, and vice versa.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations follow very closely from the first edition to the second edition. The changes in the supplies for this unit are minor and include:

**Added to unit:** card set: 3PNG, Shafts and Arrow Heads, qty. 1

**Removed from unit:** flipper frog toy

**Material changes:** *card set: 3PNG, Word Sort*, 3 words were removed, 4 words were added and activity numbers were updated.

District / Building: \_\_\_\_\_

2nd Edition						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4ENG	Kit		\$ 1,090.00		Processes that Shape the Earth (TG/SJ Not Included)	kit
4ENG	Pack		\$ 95.00		Consumable Pack (32 Students / 1 Class Use)	pack
4ENG	5738		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
4ENG	5748		\$ 35.00		Teacher Guide, <b>2nd Edition</b> - Upgrade from 1st Edition*	ea
4ENG	5718		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
4ENG	5708		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

1st Edition - Discontinued (Supported through June 2023)						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4ENG	Pack		\$ 95.00		Consumable Pack (32 Students/1 Class Use)	pack
4ENG	4769		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
4ENG	4751		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
4ENG	5220		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4ENG	1356		\$ 9.50		aquarium: 1 1/2 gallon	ea
4ENG	1360		\$ 7.50		aquarium: 1 gallon	ea
4ENG	5258		\$ 3.75		balloon, water balloon, assorted colors	pkg
4ENG	1298		\$ 3.25		beaker, glass, 250 ml	ea
4ENG	4558		\$ 3.25		bingo chip, plastic, <b>250ct</b>	pkg
4ENG	5256		\$ 16.50		book: Everything Volcanoes & Earthquakes	ea
4ENG	1403		\$ 8.25		book: Fossils Tell of Long Ago	ea
4ENG	4182		\$ 7.00		book: Oil Spill!	ea
4ENG	4184		\$ 10.00		book: Weslandia	ea
4ENG	186		\$ 0.50		canister, round, 1" x 2" tulox with lid	ea
4ENG	5282		\$ 6.00		card set: 4ENG, Effects of Human Activity	set
4ENG	5261		\$ 7.00		card set: 4ENG, Grand Canyon	set
4ENG	5263		\$ 7.00		card set: 4ENG, Grand Canyon Cross-Section	set
4ENG	5284		\$ 7.00		card set: 4ENG, Natural Resources and Manufactured Objects	set
4ENG	5259		\$ 25.00		card set: 4ENG, Weathering & Erosion	set
4ENG	5756		\$ 8.00		card set: 4ENG, Michigan Weathering & Erosion, <b>2nd Edition</b>	set
4ENG	5271		\$ 20.00		card set: 4ENG, Word Sort	set
4ENG	827		\$ 0.30		container, clear deli, 16 oz	ea
4ENG	188		\$ 0.30		container, clear deli, 32 oz	ea
4ENG	211		\$ 1.00		cup: measuring	ea
4ENG	4561		\$ 7.50		forcep, plastic, <b>10ct</b>	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4ENG	1977		\$ 15.50		fossil set	pkg
4ENG	1523		\$ 3.75		goggles, chemical splash	ea
4ENG	4789		\$ 15.00		hand lens magnifier: medium w/handle, <b>10ct</b>	pkg
4ENG	1479		\$ 24.50		hot plate	ea
4ENG	388		\$ 1.15		jar: 4 oz glass w/lid	ea
4ENG	4333		\$ 10.95		map, tectonic plate	ea
4ENG	4332		\$ 10.95		map, world	ea
4ENG	4586		\$ 10.55		mineral: feldspar pink, <b>8ct</b>	bag
4ENG	4588		\$ 10.55		mineral: mica, <b>8ct</b>	bag
4ENG	463		\$ 2.00		oil, petroleum	btl
4ENG	467		\$ 1.90		oven mitt/hot pad	ea
4ENG	4188		\$ 5.75		paint, black tempera (powder)	btl
4ENG	1557		\$ 1.00		pan, aluminum, 1/4 sheet disposable	ea
4ENG	4331		\$ 4.99		pin, beaded head, (map pin), <b>100ct</b>	pkg
4ENG	587		\$ 0.95		rock: 1" common, <i>2nd Edition</i>	ea
4ENG	4590		\$ 10.00		rock: igneous: basalt, <b>9ct</b>	bag
4ENG	4592		\$ 10.00		rock: igneous: pink granite, <b>9ct</b>	bag
4ENG	2272		\$ 0.95		rock: metal ore bauxite	ea
4ENG	4594		\$ 10.00		rock: metamorphic: marble, <b>9ct</b>	bag
4ENG	4599		\$ 10.00		rock: sedimentary: limestone, <b>9ct</b>	bag
4ENG	4600		\$ 10.00		rock: sedimentary: sandstone, <b>9ct</b>	bag
4ENG	4601		\$ 10.00		rock: sedimentary: shale, <b>9ct</b>	bag
4ENG	598		\$ 0.75		ruler: wood metric	ea
4ENG	5375		\$ 1.00		shells (clam), <b>10ct</b>	pkg
4ENG	4683		\$ 6.00		spoon, measuring, tablespoon, <b>25ct</b>	pkg
4ENG	95		\$ 3.00		spray bottle	ea
4ENG	4839		\$ 2.75		syringe: 60mL plastic	ea
4ENG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
4ENG	1522		\$ 2.00		wax paper	ea
4ENG	162		\$ 2.00		wood chips	pkg
4ENG	1711		\$ 2.50		yarn, skein	ea

*1st Edition* - Material is needed for the 1st Edition ONLY.

*2nd Edition* - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4ENG	5267		\$ 3.00		aquarium gravel, blue, 2 cup	pkg
4ENG	5269		\$ 3.00		aquarium gravel, green, 2 cup	pkg
4ENG	5265		\$ 3.00		aquarium gravel, red, 2 cup	pkg
4ENG	4580		\$ 5.00		bag: plastic, 2mil, 6 x 6 resealable, <b>100ct</b>	pkg
4ENG	4608		\$ 3.99		clay stick, <b>4ct</b>	pkg
4ENG	1808		\$ 2.50		coffee filter, small, <b>50ct</b>	pkg
4ENG	1787		\$ 1.75		cotton ball, <b>100ct</b>	bag
4ENG	1671		\$ 10.00		cup: 9oz clear plastic, <b>50ct</b>	slv
4ENG	4230		\$ 3.75		index card, 5 x 8, pkg of 100, white	pkg
4ENG	402		\$ 1.00		leaves	bag
4ENG	1689		\$ 1.85		marble, <b>100ct</b>	pkg
4ENG	850		\$ 3.25		oil, vegetable, 16oz	btl
4ENG	1495		\$ 0.50		pan, aluminum, 9" disposable	ea
4ENG	1790		\$ 3.00		pipe cleaners 12", <b>50ct</b>	pkg
4ENG	4566		\$ 2.50		pipette 1ml, <b>25ct</b>	pkg
4ENG	4599		\$ 10.00		rock: sedimentary: limestone, <b>9ct</b>	bag
4ENG	1801		\$ 5.00		sand: 5 cups	bag
4ENG	1798		\$ 4.75		soil, garden, 5 cups	bag
4ENG	1501		\$ 0.80		sponge	ea
4ENG	4659		\$ 1.75		spoon, small plastic, <b>25ct</b>	pkg
4ENG	720		\$ 4.00		vinegar	btl

*1st Edition* - Material is needed for the 1st Edition ONLY.

*2nd Edition* - Material is needed for the 2nd Edition ONLY.

#### **4ENG 2nd Edition Update (July 2022)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journals are still compatible with the second edition teacher guide.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations follow very closely from the first edition to the second edition. The changes in the supplies for this unit are minor and include:

**Added to unit:** Weslandia book, (1st Ed required 1 / 2nd Ed requires 6)  
card set: 4ENG, Michigan Weathering & Erosion (new)  
rock: 1" common (new)  
vinegar: white (1st Ed required 1 / 2nd Ed requires 5)

**Removed from unit:** No items removed

**Material changes:** No Changes

District / Building: \_\_\_\_\_

2nd Edition						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4LNG	Kit		\$ 900.00		Structure, Function & Information Processing (TG/SJ Not Included)	kit
4LNG	Pack		\$ 15.00		Consumable Pack (32 Students / 1 Class Use)	pack
4LNG	5739		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
4LNG	5749		\$ 35.00		Teacher Guide, <b>2nd Edition - Upgrade from 1st Edition*</b>	ea
4LNG	5719		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
4LNG	5709		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

1st Edition - Discontinued (Supported through June 2023)						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4LNG	Pack		\$ 15.00		Consumable Pack (32 Students/1 Class Use)	pack
4LNG	4770		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
4LNG	4752		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
4LNG	5429		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4LNG	4154		\$ 1.75		baby powder	ea
4LNG	1370		\$ 1.00		battery, D	ea
4LNG	4170		\$ 9.95		book: Animal Defenses	ea
4LNG	5500		\$ 21.00		book: Eye to Eye	ea
4LNG	4293		\$ 12.00		book: On One Flower	ea
4LNG	5498		\$ 6.00		book: What If You Had Animal Eyes?	ea
4LNG	5486		\$ 3.00		box: 9 x 4 x 3 (light box)	ea
4LNG	5488		\$ 7.50		card set: 4LNG, Animal Eyes	set
4LNG	5496		\$ 6.00		card set: 4LNG, Blue-Tailed Skink	set
4LNG	5492		\$ 6.00		card set: 4LNG, Goldenrod Picture	set
4LNG	5490		\$ 6.00		card set: 4LNG, Outside/Inside Cartoon Strip	set
4LNG	5494		\$ 20.00		card set: 4LNG, Word Sort	set
4LNG	4261		\$ 1.25		chalk, white, <b>12ct</b>	pkg
4LNG	2434		\$ 29.00		classroom habitat / aquarium 3 gallon	ea
4LNG	4671		\$ 13.50		comb 6", <b>50ct</b>	pkg
4LNG	846		\$ 1.00		compound lens (prism viewer)	ea
4LNG	827		\$ 0.30		container, clear deli, 16 oz	ea
4LNG	1787		\$ 1.75		cotton ball, <b>100ct</b>	pkg
4LNG	283		\$ 2.75		flashlight	ea
4LNG	4821		\$ 3.25		game signals (plastic figures), <b>10ct</b>	pkg
4LNG	4789		\$ 15.00		hand lens magnifier: medium w/handle, <b>10ct</b>	pkg
4LNG	4791		\$ 5.00		lid, deli, w/ holes, <b>10ct</b>	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4LNG	1490		\$ 1.00		mask: mountain lion	ea
4LNG	1491		\$ 1.00		mask: rabbit	ea
4LNG	1492		\$ 2.25		mirror, 3X5	ea
4LNG	4804		\$ 8.50		spoon, table, metal, <b>10ct</b>	pkg
4LNG	95		\$ 3.00		spray bottle	ea
4LNG	659		\$ 4.00		string	ea
4LNG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
4LNG	705		\$ 0.75		tube: cardboard 1 1/2" x 12"	ea
4LNG	1711		\$ 2.50		yarn, skein	ea

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4LNG	23		\$ 1.75		baking soda	bx
4LNG	4232		\$ 2.00		index card, 3 x 5, pkg of 100, white	pkg
4LNG	4230		\$ 3.75		index card, 5 x 8, pkg of 100, white	pkg
4LNG	4262		\$ 2.00		paper, construction, black, 9 x 12, <b>50ct</b>	pkg
4LNG	4403		\$ 2.00		paper, construction, white, 9 x 12, <b>50ct</b>	pkg
4LNG	4151		\$ 2.50		seed: grass, 1/2 cup	pkg
4LNG	946		\$ 6.50		soil, potting, 8 quart bag	bag

*1st Edition* - Material is needed for the 1st Edition ONLY.

*2nd Edition* - Material is needed for the 2nd Edition ONLY.

#### **4LNG 2nd Edition Update (Aug 2022)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journal is compatible with the second edition teacher guide.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations in the unit did not change from the first edition to the second edition.

District / Building: \_\_\_\_\_

2nd Edition						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4PNG	Kit		\$ 975.00		Energy and Waves (TG/SJ Not Included)	kit
4PNG	Pack		\$ 25.00		Consumable Pack (32 Students / 1 Class Use)	pack
4PNG	5621		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
4PNG	5623		\$ 35.00		Teacher Guide, <b>2nd Edition</b> - Upgrade from 1st Edition*	ea
4PNG	5619		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
4PNG	5618		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

1st Edition - Discontinued (Supported through June 2023)						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4PNG	Pack		\$ 25.00		Consumable Pack (32 Students/1 Class Use)	pack
4PNG	4768		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
4PNG	4750		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
4PNG	5098		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4PNG	293		\$ 9.25		aluminum foil, heavy duty	bx
4PNG	4716		\$ 8.00		assorted balls: 4PNG - Energy & Waves	pkg
4PNG	4802		\$ 3.50		ball: ping pong, <b>10ct</b>	pkg
4PNG	4647		\$ 14.00		ball: steel 1", <b>10ct</b>	pkg
4PNG	33		\$ 1.50		ball: tennis	ea
4PNG	2408		\$ 0.35		ball: wooden 1 1/2"	ea
4PNG	4646		\$ 3.00		ball: wooden 1", <b>10ct</b>	pkg
4PNG	4778		\$ 15.50		battery holder, <b>10ct</b>	pkg
4PNG	1370		\$ 1.00		battery, D	ea
4PNG	1298		\$ 3.25		beaker, glass, 250 ml	ea
4PNG	1640		\$ 3.95		bell/buzzer	ea
4PNG	1559		\$ 8.75		book: Anne's Lessons in Energy	ea
4PNG	4248		\$ 10.00		book: Charged Up	ea
4PNG	1884		\$ 7.00		book: Energy Makes Things Happen	ea
4PNG	4633		\$ 10.25		book: Loud or Soft? High or Low?	ea
4PNG	4780		\$ 13.50		bulb, mini holder, <b>10ct</b>	pkg
4PNG	4565		\$ 4.00		bulb, mini screw, <b>10ct</b>	pkg
4PNG	1428		\$ 4.75		burner stand	ea
4PNG	1433		\$ 1.25		candle, votive	ea
4PNG	4710		\$ 5.00		card set: 4PNG, Energy Pictures	set
4PNG	4736		\$ 20.00		card set: 4PNG, Word Sort, <b>1st / 2nd Edition</b>	set
4PNG	4781		\$ 3.00		cardboard, corrugated 2" x 4", <b>25ct</b>	pkg
4PNG	4671		\$ 13.50		comb 6", <b>50ct</b>	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4PNG	827		\$ 0.30		container, clear deli, 16 oz	ea
4PNG	4281		\$ 0.55		container, clear deli, 16 oz w/hole	ea
4PNG	188		\$ 0.30		container, clear deli, 32 oz	ea
4PNG	944		\$ 0.30		container, clear deli, 8 oz	ea
4PNG	4820		\$ 2.00		domino, <b>10ct</b>	pkg
4PNG	4787		\$ 3.50		dowel: 1/2" x 6", <b>10ct</b>	pkg
4PNG	274		\$ 1.50		fishing line, 30#	ea
4PNG	283		\$ 2.75		flashlight	ea
4PNG	296		\$ 3.30		food coloring, blue	btl
4PNG	1365		\$ 0.75		golf ball	ea
4PNG	4789		\$ 11.00		hand lens magnifier: medium w/handle, <b>10ct</b> , <i>1st Edition</i>	pkg
4PNG	398		\$ 11.50		lamp, clamp	ea
4PNG	844		\$ 0.25		lid, deli container	ea
4PNG	4724		\$ 3.50		lightbulb, 43 watt (halogen)	ea
4PNG	4652		\$ 4.00		marble, large shooter, <b>10ct</b>	pkg
4PNG	4564		\$ 17.50		marble, magnetic, <b>50ct</b>	pkg
4PNG	430		\$ 0.55		matches	bx
4PNG	1492		\$ 1.25		mirror, 3X5, <i>1st Edition</i>	ea
4PNG	1639		\$ 3.15		motor	ea
4PNG	467		\$ 1.90		oven mitt/hot pad	ea
4PNG	1557		\$ 1.00		pan, aluminum, 1/4 sheet disposable	ea
4PNG	1046		\$ 1.50		paper clip: large, <b>100ct</b>	bx
4PNG	1520		\$ 2.00		plastic wrap, box	bx
4PNG	2398		\$ 6.00		ramp	ea
4PNG	4254		\$ 1.50		rice: 1 cup	pkg
4PNG	4467		\$ 2.75		rubber band assorted sizes, pkg	pkg
4PNG	600		\$ 0.75		ruler: plastic metric	ea
4PNG	4658		\$ 3.00		sandpaper: 8 x 10, <b>10ct</b>	pkg
4PNG	4805		\$ 8.50		spoon, tea, metal, <b>10ct</b>	pkg
4PNG	659		\$ 3.81		string, <i>1st Edition</i>	ea
4PNG	4667		\$ 7.50		tape measure: metric, <b>10ct</b>	pkg
4PNG	5005		\$ 27.50		thermometer: C 110 / F 230, metal flat, <b>10ct</b>	pkg
4PNG	686		\$ 1.50		thumb tacks, <b>100ct</b>	bx
4PNG	1505		\$ 0.40		tray: styrofoam, 10-3/4 x 5-1/2 x 2 (#10K)	ea
4PNG	1506		\$ 0.40		tray: styrofoam, 8 x 5-1/2 x 3/4 (#2)	ea
4PNG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
4PNG	711		\$ 5.50		tuning fork: 5-1/2" 512 C	ea
4PNG	1093		\$ 5.50		tuning fork: 8" 256 C	ea
4PNG	1522		\$ 2.00		wax paper	bx
4PNG	4711		\$ 6.25		wire: 32 pieces, 25cm w/ends stripped	set

*1st Edition* - Material is needed for the 1st Edition ONLY.

*2nd Edition* - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
4PNG	4260		\$ 4.75		balloon, 9" assorted colors, <b>25ct</b>	pkg
4PNG	4679		\$ 5.25		balloon, 9" black, <b>25ct</b>	pkg
4PNG	4681		\$ 5.25		balloon, 9" white, <b>25ct</b>	pkg
4PNG	4559		\$ 1.50		craft stick, <b>50ct</b>	pkg
4PNG	5574		\$ 6.25		cup: 5oz paper, <b>50ct</b> , <i>1st Edition</i>	slv
4PNG	1671		\$ 10.00		cup: 9oz clear plastic, <b>50ct</b>	slv
4PNG	1792		\$ 4.50		straw: clear, <b>100ct</b>	pkg

*1st Edition* - Material is needed for the 1st Edition ONLY.

*2nd Edition* - Material is needed for the 2nd Edition ONLY.

#### **4PNG 2nd Edition Update (June 2020)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journals will not correspond with the new second edition Teacher Guide, and vice versa.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations follow very closely from the first edition to the second edition. The changes in the supplies for this unit are minor and include:

**Added to unit:** No new material added

**Removed from unit:**

cup: 5oz paper  
hand lenses  
mirrors  
string

**Material changes:**

District / Building: \_\_\_\_\_

2nd Edition						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5ENG	Kit		\$ 680.00		Earth and Space Systems (TG/SJ Not Included)	kit
5ENG	Pack		\$ 22.00		Consumable Pack (32 Students / 1 Class Use)	pack
5ENG	5740		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
5ENG	5750		\$ 35.00		Teacher Guide, <b>2nd Edition</b> - Upgrade from 1st Edition*	ea
5ENG	5720		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
5ENG	5710		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

1st Edition - Discontinued (Supported through June 2023)						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5ENG	Pack		\$ 22.00		Consumable Pack (32 Students/1 Class Use)	pack
5ENG	4772		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
5ENG	4754		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
5ENG	5221		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5ENG	1360		\$ 7.50		aquarium: 1 gallon	ea
5ENG	5164		\$ 1.00		bag: paper, lunch, <b>10ct</b>	pkg
5ENG	1370		\$ 1.00		battery, D	ea
5ENG	4704		\$ 2.50		beaker, plastic, 1000 ml	ea
5ENG	4127		\$ 10.10		book: A Cool Drink of Water	ea
5ENG	4211		\$ 10.50		book: Arctic Lights, Arctic Nights	ea
5ENG	4324		\$ 10.00		book: Cracking Up	ea
5ENG	4335		\$ 8.00		book: Planet Earth/Inside Out	ea
5ENG	4483		\$ 10.00		card set: 5ENG / 7ES Gases of the Atmosphere	set
5ENG	4703		\$ 20.00		card set: 5ENG, Earth Systems	set
5ENG	5760		\$ 25.00		card set: 5ENG, Landfill, <b>2nd Edition</b>	set
5ENG	5126		\$ 5.00		card set: 5ENG, Month	set
5ENG	5122		\$ 20.00		card set: 5ENG, Word Sort, <b>1st Edition</b>	set
5ENG	5759		\$ 20.00		card set: 5ENG, Word Sort, <b>2nd Edition</b>	set
5ENG	5125		\$ 5.00		card set: 5ENG, Zodiac	set
5ENG	2434		\$ 29.00		classroom habitat: 3 gallon clear plastic	ea
5ENG	944		\$ 0.30		container, clear deli, 8 oz	ea
5ENG	211		\$ 1.00		cup: measuring	ea
5ENG	1671		\$ 10.00		cup: 9oz clear plastic, <b>50ct</b>	slv
5ENG	283		\$ 2.75		flashlight	ea
5ENG	284		\$ 5.00		flask, pyrex, 250ml	ea
5ENG	296		\$ 3.30		food coloring, blue	btl

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5ENG	4649		\$ 27.50		graduated cylinder, 100 ml, <b>10ct</b>	pkg
5ENG	4789		\$ 15.00		hand lens magnifier: medium w/handle, <b>10ct</b>	pkg
5ENG	4699		\$ 2.75		index card, 3 x 5, pkg of 100, blue	pkg
5ENG	4698		\$ 2.75		index card, 3 x 5, pkg of 100, pink	pkg
5ENG	4700		\$ 2.75		index card, 3 x 5, pkg of 100, yellow	pkg
5ENG	398		\$ 11.50		lamp, clamp	ea
5ENG	4822		\$ 4.00		lid, 9oz, Solo #662, <b>25ct</b>	pkg
5ENG	844		\$ 0.25		lid, deli container	ea
5ENG	412		\$ 3.50		lightbulb, 60 watt (incandescent)	ea
5ENG	4571		\$ 1.75		match, fireplace, <b>40ct</b>	bx
5ENG	430		\$ 0.55		matches	bx
5ENG	1557		\$ 1.00		pan, aluminum, 1/4 sheet disposable	ea
5ENG	521		\$ 1.18		picture: earth	ea
5ENG	4655		\$ 5.25		pipette 5ml, <b>10ct</b>	pkg
5ENG	1520		\$ 2.00		plastic wrap, box	bx
5ENG	5201		\$ 3.50		poster: US topographic	ea
5ENG	4804		\$ 8.50		spoon, table, metal, <b>10ct</b>	pkg
5ENG	95		\$ 3.00		spray bottle	ea
5ENG	4667		\$ 7.50		tape measure: metric, <b>10ct</b>	pkg
5ENG	4479		\$ 2.50		temperature strip	ea
5ENG	4798		\$ 27.50		thermometer: C 110 / F 230, metal V, <b>10ct</b>	pkg
5ENG	1505		\$ 0.40		tray: styrofoam, 10-3/4 x 5-1/2 x 2 (#10K)	ea
5ENG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
5ENG	1711		\$ 2.50		yarn, skein	ea

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5ENG	4260		\$ 4.75		balloon, 9" assorted colors, <b>25ct</b>	pkg
5ENG	167		\$ 5.95		clay, powdered	pkg
5ENG	4606		\$ 1.50		dot sticker: yellow, <b>24ct</b>	pkg
5ENG	4328		\$ 9.50		gloves, disposable (bx of 50 pair)	box
5ENG	4232		\$ 2.00		index card, 3 x 5, pkg of 100, white	pkg
5ENG	1805		\$ 5.50		pebbles: 5 cups	pkg
5ENG	4573		\$ 1.40		pepper packet, <b>25ct</b>	pkg
5ENG	1801		\$ 5.00		sand: 5 cups	pkg
5ENG	1798		\$ 4.75		soil, garden, 5 cups	pkg
5ENG	1792		\$ 4.50		straw: clear, <b>100ct</b>	pkg

*1st Edition* - Material is needed for the 1st Edition ONLY.

*2nd Edition* - Material is needed for the 2nd Edition ONLY.

**District / Building:** \_\_\_\_\_

**5ENG 2nd Edition Update (July 2022)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journal is compatible with the second edition teacher guide.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations follow very closely from the first edition to the second edition. The changes in the supplies for this unit are minor and include:

**Added to unit:** card set: 5ENG, Landfill (new)

**Removed from unit:** No items removed

**Material changes:** card set: 5ENG, Word Sort, activity numbers updated

District / Building: \_\_\_\_\_

2nd Edition						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5LNG	Kit		\$ 850.00		Matter and Energy in an Ecosystem (TG/SJ Not Included)	kit
5LNG	Pack		\$ 75.00		Consumable Pack (32 Students / 1 Class Use)	pack
5LNG	5741		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
5LNG	5751		\$ 35.00		Teacher Guide, <b>2nd Edition - Upgrade from 1st Edition*</b>	ea
5LNG	5721		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
5LNG	5711		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea
5LNG	5415		\$ 99.00		Organism Card (5LNG) - <b>Non-Refundable</b> (algae, aquatic plants, duckweed, ferns, guppies m/f, pond snails)	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

1st Edition - Discontinued (Supported through June 2023)						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5LNG	Pack		\$ 75.00		Consumable Pack (32 Students / 1 Class Use)	pack
5LNG	4773		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
5LNG	4755		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
5LNG	5430		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea
5LNG	5415		\$ 99.00		Organism Card (5LNG) - <b>Non-Refundable</b> (algae, aquatic plants, duckweed, ferns, guppies m/f, pond snails)	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5LNG	293		\$ 9.25		aluminum foil, heavy duty	bx
5LNG	5505		\$ 19.00		book: Birdbrain Amos	ea
5LNG	5508		\$ 10.50		book: How Ecosystems Work	ea
5LNG	5506		\$ 9.30		book: What are Food Chains and Webs?	ea
5LNG	5515		\$ 6.60		card set: 5LNG, Eco-Players	set
5LNG	5517		\$ 6.00		card set: 5LNG, Ecosystem Change	set
5LNG	5513		\$ 5.00		card set: 5LNG, Ecosystem Pictures	set
5LNG	5521		\$ 20.00		card set: 5LNG, Food Web	set
5LNG	5511		\$ 20.00		card set: 5LNG, Word Sort	set
5LNG	2434		\$ 29.00		classroom habitat / aquarium 3 gallon	ea
5LNG	188		\$ 0.30		container, clear deli, 32 oz	ea
5LNG	1671		\$ 10.00		cup: 9 oz clear plastic, <b>50ct</b>	slv
5LNG	211		\$ 1.00		cup: measuring	ea
5LNG	928		\$ 3.50		fish food	ea
5LNG	4789		\$ 15.00		hand lens magnifier: medium w/handle, <b>10ct</b>	pkg
5LNG	4790		\$ 5.00		lid, 9oz, Solo #662, w/holes, <b>25ct</b>	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5LNG	844		\$ 0.25		lid, deli container	ea
5LNG	4791		\$ 5.00		lid, deli, w/ holes, <b>10ct</b>	pkg
5LNG	1520		\$ 2.00		plastic wrap, box	bx
5LNG	598		\$ 0.75		ruler: wood metric	ea
5LNG	4804		\$ 8.50		spoon, table, metal, <b>10ct</b>	pkg
5LNG	95		\$ 3.00		spray bottle	ea
5LNG	659		\$ 4.00		string	ea
5LNG	4667		\$ 7.50		tape measure: metric, <b>10ct</b>	pkg
5LNG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
5LNG	919		\$ 3.25		water conditioner (stress coat)	ea
5LNG	1711		\$ 2.50		yarn, skein	ea

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5LNG	891		\$ 7.50		aquarium gravel, 8 cups (5.5lbs)	pkg
5LNG	5164		\$ 1.00		bag: paper, lunch, <b>10ct</b>	pkg
5LNG	1808		\$ 2.50		coffee filter, small, <b>50ct</b>	pkg
5LNG	1671		\$ 10.00		cup: 9 oz clear plastic, <b>50ct</b>	slv
5LNG	5510		\$ 7.50		ecosystem bottle	ea
5LNG	4230		\$ 3.75		index card, 5 x 8, pkg of 100, white	pkg
5LNG	4257		\$ 1.85		rubber band #16, <b>50ct</b>	pkg
5LNG	1225		\$ 1.25		seed: bean (commercial packaged)	pkg
5LNG	4151		\$ 2.50		seed: grass, 1/2 cup	pkg
5LNG	4383		\$ 1.50		seed: marigold (commercial packaged)	pkg
5LNG	946		\$ 6.50		soil, potting, 8 quart bag	bag
5LNG	4479		\$ 2.50		temperature strip	ea

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

#### **5LNG 2nd Edition Update (Sept 2022)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journals are still compatible with the second edition teacher guide.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations follow very closely from the first edition to the second edition. The changes in the supplies for this unit are minor and include:

**Added to unit:** pipette, 1ml (1st Ed required 0 / 2nd Ed requires 1)  
temperature strip (1st Ed required 8 / 2nd Ed requires 9)

**Removed from unit:** yarn

**Material changes:** no changes

District / Building: \_\_\_\_\_

2nd Edition						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5PNG	Kit		\$ 975.00		Structures and Properties of Matter (TG/SJ Not Included)	kit
5PNG	Pack		\$ 30.00		Consumable Pack (32 Students / 1 Class Use)	pack
5PNG	5633		\$ 110.00		Teacher Guide, <b>2nd Edition</b> (Answer Key Included)	ea
5PNG	5636		\$ 35.00		Teacher Guide, <b>2nd Edition</b> - Upgrade from 1st Edition*	ea
5PNG	5634		\$ 2.50		Student Journal, <b>2nd Edition</b>	ea
5PNG	5632		\$ 5.00		Student Journal Answer Key, <b>2nd Edition</b>	ea

\* Upgrades will be sold 1:1 based on a district's 1st Edition orders on record. Call (269) 213-3907 for more information.

1st Edition - Discontinued (Supported through June 2023)						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5PNG	Pack		\$ 30.00		Consumable Pack (32 Students/1 Class Use)	pack
5PNG	4771		\$ 110.00		Teacher Guide, <b>1st Edition</b> (Answer Key Included)	ea
5PNG	4753		\$ 2.50		Student Journal, <b>1st Edition</b>	ea
5PNG	5099		\$ 5.00		Student Journal Answer Key, <b>1st Edition</b>	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5PNG	559		\$ 5.50		air pump, hand operated	ea
5PNG	293		\$ 9.25		aluminum foil, heavy duty	ea
5PNG	1360		\$ 7.50		aquarium: 1 gallon	ea
5PNG	23		\$ 1.75		baking soda, 16oz	bx
5PNG	1363		\$ 42.99		balance, precision, with weights	ea
5PNG	4778		\$ 15.50		battery holder, <b>10ct</b>	pkg
5PNG	1370		\$ 1.00		battery, D	ea
5PNG	2375		\$ 2.75		beach ball	ea
5PNG	4270		\$ 9.30		book: Matter in Mr. Whiskers Room	ea
5PNG	4825		\$ 10.50		book: The Solid Truth about Matter	ea
5PNG	5638		\$ 1.00		book: Where's the Skunk, <b>2nd Edition</b>	ea
5PNG	94		\$ 1.50		bottle, 20 oz.	ea
5PNG	4780		\$ 13.50		bulb, mini holder, <b>10ct</b>	pkg
5PNG	4565		\$ 4.00		bulb, mini screw, <b>10ct</b>	pkg
5PNG	5641		\$ 5.00		card set: 5PNG, Skunk Odor, <b>2nd Edition</b>	set
5PNG	4737		\$ 20.00		card set: 5PNG, Word Sort, <b>1st Edition</b>	set
5PNG	5642		\$ 20.00		card set: 5PNG, Word Sort, <b>2nd Edition</b>	set
5PNG	4608		\$ 3.99		clay stick, <b>4ct</b>	pkg
5PNG	188		\$ 0.30		container, clear deli, 32 oz	ea
5PNG	944		\$ 0.30		container, clear deli, 8 oz	ea
5PNG	4782		\$ 3.50		container, pie-shape, <b>10ct</b>	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5PNG	957		\$ 0.50		cube, 2cm, wooden	ea
5PNG	211		\$ 1.00		cup: measuring	ea
5PNG	1669		\$ 11.25		cup: 10oz clear plastic, <b>45ct</b>	slv
5PNG	1671		\$ 10.00		cup: 9oz clear plastic, <b>50ct</b>	slv
5PNG	5544		\$ 3.50		edge clamp	ea
5PNG	296		\$ 3.30		food coloring, blue	ea
5PNG	303		\$ 0.85		funnel	ea
5PNG	1365		\$ 0.75		golf ball	ea
5PNG	4649		\$ 27.50		graduated cylinder, 100 ml, <b>10ct</b>	pkg
5PNG	1479		\$ 24.50		hot plate	ea
5PNG	1480		\$ 5.25		hot/cold pack	ea
5PNG	4232		\$ 2.00		index card, 3 x 5, pkg of 100, white	pkg
5PNG	4827		\$ 1.00		jar: 4 oz plastic w/lid	ea
5PNG	398		\$ 11.50		lamp, clamp	ea
5PNG	412		\$ 3.50		lightbulb, 60 watt (incandescent)	ea
5PNG	415		\$ 4.75		magnet, bar	ea
5PNG	1689		\$ 1.85		marble, <b>100ct</b>	pkg
5PNG	4653		\$ 3.50		material felt, <b>10ct</b>	pkg
5PNG	4576		\$ 1.50		nail, iron 6D, <b>25ct</b>	pkg
5PNG	1590		\$ 1.25		oil, peppermint	ea
5PNG	467		\$ 1.90		oven mitt/hot pad	ea
5PNG	1804		\$ 1.75		packing peanut, styrofoam, <b>50ct</b>	pkg
5PNG	1495		\$ 0.60		pan, aluminum, 9" disposable	ea
5PNG	477		\$ 8.50		pan, sauce, 1 quart	ea
5PNG	1045		\$ 1.50		paper clip: small, <b>100ct</b>	pkg
5PNG	4794		\$ 4.00		petri dish, <b>10ct</b>	pkg
5PNG	4566		\$ 2.50		pipette 1ml, <b>25ct</b>	pkg
5PNG	1520		\$ 2.00		plastic wrap, box	bx
5PNG	547		\$ 9.00		popcorn, 6lbs	pkg
5PNG	4795		\$ 3.00		rubber stopper #3, w/hole, <b>10ct</b>	pkg
5PNG	598		\$ 0.75		ruler: wood metric	ea
5PNG	4676		\$ 2.00		sand: 1 cup	pkg
5PNG	1595		\$ 0.15		screw (wood screw), 1 1/2"	ea
5PNG	1350		\$ 4.50		soap: liquid yellow, 25 fl oz, <b>2nd Edition</b>	btl
5PNG	4683		\$ 6.00		spoon, measuring, tablespoon, <b>25ct</b>	pkg
5PNG	4660		\$ 5.00		steel wool pads, <b>10ct</b>	pkg
5PNG	659		\$ 4.00		string	ea
5PNG	4823		\$ 6.75		sugar cubes	bx
5PNG	4662		\$ 2.75		tag board (poster board): 4 x 4, <b>25ct</b>	pkg
5PNG	4667		\$ 7.50		tape measure: metric, <b>10ct</b>	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5PNG	4798		\$ 27.50		thermometer: C 110 / F 230, metal V, <b>10ct</b>	pkg
5PNG	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
5PNG	720		\$ 3.00		vinegar: white, <b>2nd Edition</b>	btl
5PNG	4567		\$ 10.00		washer: 5/16, <b>200ct</b>	pkg
5PNG	4303		\$ 13.00		wire: 22 gauge, 8 pcs 12" each	set
5PNG	4824		\$ 8.25		wire: 24 pieces, 12" with ends stripped	set

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
5PNG	4580		\$ 5.00		bag: plastic, 2mil, 6 x 6 resealable, <b>100ct</b>	pkg
5PNG	5123		\$ 23.50		bag: plastic, 4mil, 12 x 12 resealable, <b>100ct</b>	ea
5PNG	5124		\$ 14.50		bag: plastic, 4mil, 8 x 8 resealable, <b>100ct</b>	ea
5PNG	4260		\$ 4.10		balloon, 9" assorted colors, 25ct, <b>2nd Edition</b>	pkg
5PNG	2468		\$ 1.10		borax, <b>1st Edition</b>	pkg
5PNG	4276		\$ 1.50		chocolate chips, 4oz	pkg
5PNG	4559		\$ 1.50		craft stick, <b>50ct</b>	pkg
5PNG	1680		\$ 11.00		cup: 3/4oz souffle, <b>200ct</b>	slv
5PNG	1679		\$ 7.75		cup: 2oz souffle, <b>200ct</b>	slv
5PNG	304		\$ 0.75		gelatin, unflavored	ea
5PNG	4157		\$ 8.95		glue, white, 32oz (Elmers), <b>1st Edition</b>	ea
5PNG	5637		\$ 3.75		hydrogen peroxide, 1qt, <b>2nd Edition</b>	btl
5PNG	4573		\$ 1.40		pepper packet, <b>25ct</b>	pkg
5PNG	5530		\$ 0.75		powdered flavored drink mix, <b>2nd Edition</b>	pkg
5PNG	2462		\$ 7.25		salt, kosher, 3lb box	bx
5PNG	4574		\$ 1.75		sugar packet, <b>25ct</b>	pkg

**1st Edition** - Material is needed for the 1st Edition ONLY.

**2nd Edition** - Material is needed for the 2nd Edition ONLY.



## 5PNG: Physical Science Structures and Properties of Matter

District / Building: \_\_\_\_\_

### **5PNG 2nd Edition Update (April 2021)**

Please note that the Teacher Guide and Student Journals underwent the greatest changes.

The first edition Student Journals will not correspond with the new second edition Teacher Guide, and vice versa.

The Teacher Guide, 2nd Edition - Upgrade from 1st Edition\* will replace the entire contents of your first edition Teacher Guide binder.

The materials used to carry out the lessons and investigations follow very closely from the first edition to the second edition. The changes in the supplies for this unit are minor and include:

#### **Added to unit:**

balloon, 9" 25ct, qty. 1  
book: Where's the Skunk, qty. 12  
card set: Skunk Odor, qty 1  
hydrogen peroxide (1qt), qty 1  
powder flavored drink mix, qty 1  
soap: liquid, 25fl oz, qty. 1  
vinegar: white, qty. 1

**Removed from unit:** glue & borax

**Material changes:**

District / Building: \_\_\_\_\_

Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSPNG1	Kit		\$ 995.00		Forces: Contact and Non Contact <i>(TG/SJ Not Included)</i>	kit
MSPNG1	Pack		\$ 15.00		Consumable Pack	pack
MSPNG1	5410		\$ 110.00		Teacher Guide <i>(Answer Key Included)</i>	ea
MSPNG1	5438		\$ 5.00		Answer Key: Student Journal	ea
MSPNG1	5407		\$ 2.50		Student Journal	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSPNG1	4777		\$ 7.50		bag: cloth, 10ct	pkg
MSPNG1	1363		\$ 42.99		balance, precision, with weights	ea
MSPNG1	4647		\$ 13.50		ball: steel 1", 10ct	ea
MSPNG1	33		\$ 1.50		ball: tennis	ea
MSPNG1	4646		\$ 3.00		ball: wooden 1", 10ct	pkg
MSPNG1	4778		\$ 15.50		battery holder, 10ct	pkg
MSPNG1	1370		\$ 1.00		battery, D	ea
MSPNG1	2375		\$ 2.75		beach ball	ea
MSPNG1	5432		\$ 10.50		book: Laws of Motion	ea
MSPNG1	5520		\$ 1.50		cardboard, corrugated 4" x 16.5"	ea
MSPNG1	5435		\$ 7.50		card set: MSP1, Magnetic Field Pictures	set
MSPNG1	5436		\$ 6.00		card set: MSP1, Station Label Cards	set
MSPNG1	5434		\$ 20.00		card set: MSP1, Word Sort	set
MSPNG1	5433		\$ 1.00		card: MSP1, Striker Set Up Map	set
MSPNG1	4671		\$ 13.50		comb 6", 50ct	pkg
MSPNG1	211		\$ 1.00		cup: measuring	ea
MSPNG1	5519		\$ 0.50		dowel: 3/8" x 12"	ea
MSPNG1	5437		\$ 18.95		floating pen	ea
MSPNG1	1605		\$ 4.75		floating ring stand	ea
MSPNG1	5442		\$ 2.75		magnetic field demonstrator (student size)	ea
MSPNG1	415		\$ 4.75		magnet, bar	ea
MSPNG1	416		\$ 5.50		magnet, horseshoe	ea
MSPNG1	417		\$ 1.00		magnet, ring	ea
MSPNG1	4652		\$ 5.50		marble, large shooter, 10ct	pkg
MSPNG1	454		\$ 0.05		nail, steel, 12D	ea
MSPNG1	1557		\$ 1.00		pan, aluminum, 1/4 sheet disposable	ea
MSPNG1	1045		\$ 1.50		paper clip: small, 100ct	bx
MSPNG1	479		\$ 0.50		paper punches (circles)	pkg
MSPNG1	4793		\$ 6.00		pencil w/ eraser (unsharpened), 25ct	pkg
MSPNG1	2398		\$ 6.00		ramp	ea
MSPNG1	4153		\$ 4.50		rubber track, 36"	ea
MSPNG1	600		\$ 0.75		ruler: plastic metric	ea
MSPNG1	1801		\$ 5.00		sand: 5 cups	pkg
MSPNG1	648		\$ 4.50		spring scale, grams & newtons	ea

District / Building: \_\_\_\_\_

Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSPNG1	659		\$ 4.00		string	ea
MSPNG1	4667		\$ 7.50		tape measure: metric, 10ct	pkg
MSPNG1	314		\$ 22.00		tub: grey container ( <i>holds all materials</i> )	ea
MSPNG1	5431		\$ 20.00		wire: 24 pcs 10" & 24 pcs 40" ends stripped	set

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSPNG1	4776		\$ 1.00		alcohol swab, 10ct	pkg
MSPNG1	4260		\$ 4.75		balloon, 9" assorted colors, 25ct	pkg
MSPNG1	1792		\$ 4.50		straw: clear, 100ct	pkg

District / Building: \_\_\_\_\_

Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSPNG2	Kit		\$ 1,450.00		Particles of Matter and Chemical Reaction (TG/SJ Not Included)	kit
MSPNG2	Pack		\$ 50.00		Consumable Pack	pack
MSPNG2	5411		\$ 110.00		Teacher Guide (Answer Key Included)	ea
MSPNG2	5439		\$ 5.00		Answer Key: Student Journal	ea
MSPNG2	5408		\$ 2.50		Student Journal	ea

*LTPC = Long Term Partial Consumed*

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSPNG2	293		\$ 9.25		aluminum foil, heavy duty <i>(LTPC)</i>	bx
MSPNG2	5534		\$ 5.25		ammonium chloride <i>(LTPC, 8tsp/session)</i>	btl
MSPNG2	1360		\$ 7.50		aquarium: 1 gallon	ea
MSPNG2	4579		\$ 3.25		bag: plastic, 2mil, 4x6, resealable, 100ct <i>(LTPC, 8/session)</i>	pkg
MSPNG2	5541		\$ 12.00		bag: plastic, 4mil, 6 x 8 resealable, 100ct <i>(LTPC, 40/session)</i>	pkg
MSPNG2	23		\$ 1.75		baking soda <i>(LTPC)</i>	bx
MSPNG2	1298		\$ 3.25		beaker, glass, 250 ml	ea
MSPNG2	4551		\$ 8.95		book: Atoms and Chemical Reactions	ea
MSPNG2	4549		\$ 14.95		book: Physical & Chemical Properties & Changes	ea
MSPNG2	4531		\$ 1.50		bottle: 4oz squeeze	ea
MSPNG2	5527		\$ 2.00		bubble solution <i>(LTPC, 1oz/session)</i>	btl
MSPNG2	4543		\$ 12.25		calcium chloride, 500g <i>(LTPC)</i>	btl
MSPNG2	1433		\$ 1.25		candle, votive <i>(LTPC)</i>	ea
MSPNG2	4308		\$ 6.30		card set: MSP2 / 6PS, Water Molecule	set
MSPNG2	5535		\$ 7.50		card set: MSP2, Gasoline Pump	set
MSPNG2	5542		\$ 25.00		card set: MSP2, Hydrocarbon Atom	set
MSPNG2	5524		\$ 7.50		card set: MSP2, Something Stinks	set
MSPNG2	5526		\$ 20.00		card set: MSP2, Word Sort	set
MSPNG2	4608		\$ 3.99		clay stick, 4ct <i>(LTPC, 1 stick/session)</i>	pkg
MSPNG2	5543		\$ 5.25		cobalt chloride test strips <i>(LTPC)</i>	bx
MSPNG2	1808		\$ 2.50		coffee filter, small, 50ct <i>(LTPC, 4ea/session)</i>	pkg
MSPNG2	827		\$ 0.30		container, clear deli, 16 oz	ea
MSPNG2	188		\$ 0.30		container, clear deli, 32 oz	ea
MSPNG2	944		\$ 0.30		container, clear deli, 8 oz	ea
MSPNG2	5537		\$ 4.93		corn meal <i>(LTPC, 8tsp/session)</i>	bx
MSPNG2	2467		\$ 2.25		corn starch <i>(LTPC, 8tsp/session)</i>	bx
MSPNG2	1679		\$ 7.75		cup: 2 oz souffle, 200ct <i>(LTPC, 32ea/session)</i>	slv
MSPNG2	1671		\$ 10.00		cup: 9 oz clear plastic, 50ct <i>(LTPC, 8ea/session)</i>	slv
MSPNG2	4533		\$ 12.75		density rod	ea
MSPNG2	5528		\$ 16.50		ethanol <i>(LTPC, 6oz/session)</i>	btl
MSPNG2	4304		\$ 3.75		flask, 50ml	ea
MSPNG2	1475		\$ 3.00		food coloring, 4 colors <i>(LTPC)</i>	bx

*LTPC = Long Term Partial Consumed*

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSPNG2	4561		\$ 7.50		forcep, plastic, 10ct	pkg
MSPNG2	1566		\$ 14.50		funnel, glass, 75mm	ea
MSPNG2	5533		\$ 10.25		glass watch cover, 75mm (for 250mL beaker), pk/12	pkg
MSPNG2	5560		\$ 4.00		graduated cylinder (translucent), 100ml	ea
MSPNG2	5561		\$ 2.75		graduated cylinder (translucent), 25ml	ea
MSPNG2	4789		\$ 15.00		hand lens magnifier: medium w/handle, 10ct	pkg
MSPNG2	1479		\$ 24.50		hot plate	ea
MSPNG2	388		\$ 1.15		jar: 4 oz glass	ea
MSPNG2	1689		\$ 1.85		marble, 100ct	pkg
MSPNG2	430		\$ 0.55		matches <u>(LTPC)</u>	bx
MSPNG2	467		\$ 1.90		oven mitt/hot pad	ea
MSPNG2	1045		\$ 1.50		paper clip: small, 100ct	bx
MSPNG2	1790		\$ 3.00		pipe cleaners, 12", 50ct	pkg
MSPNG2	4566		\$ 2.50		pipette, 1ml, 25ct	pkg
MSPNG2	4552		\$ 0.60		plastic vials	ea
MSPNG2	2462		\$ 7.25		salt, kosher, 3lb box <u>(LTPC, 8tsp/session)</u>	bx
MSPNG2	4676		\$ 2.00		sand: 1 cup <u>(LTPC)</u>	pkg
MSPNG2	4530		\$ 29.00		sink and float bag: set of 8	set
MSPNG2	5532		\$ 0.25		smart spatulas	ea
MSPNG2	1350		\$ 4.75		soap: liquid yellow, 25 fl oz <u>(LTPC, 2c/session)</u>	btl
MSPNG2	4529		\$ 32.60		sodium polyacrylate, 500g <u>(LTPC, 8tsp/session)</u>	btl
MSPNG2	5540		\$ 21.00		soy sauce, 64oz <u>(LTPC, 2c/session)</u>	btl
MSPNG2	4575		\$ 2.00		splints, 50ct <u>(LTPC, 10ea/session)</u>	pkg
MSPNG2	644		\$ 0.25		spoon, measuring, teaspoon	ea
MSPNG2	4660		\$ 5.00		steel wool, pads, 10ct <u>(LTPC, 1ea/session)</u>	pkg
MSPNG2	5531		\$ 9.75		stirring rods (plastic), pkg/12	pkg
MSPNG2	1792		\$ 4.50		straw: clear, 100ct <u>(LTPC, 8ea/session)</u>	pkg
MSPNG2	659		\$ 4.00		string <u>(LTPC)</u>	ball
MSPNG2	5539		\$ 5.00		sugar, canister <u>(LTPC, 16tsp/session)</u>	ea
MSPNG2	4839		\$ 2.75		syringe: 60mL plastic	ea
MSPNG2	4667		\$ 7.50		tape measure: metric, 10ct	pkg
MSPNG2	4613		\$ 1.00		test tube brush	ea
MSPNG2	4541		\$ 1.75		test tube clamp	ea
MSPNG2	5529		\$ 3.50		test tube holder	ea
MSPNG2	1737		\$ 1.50		test tube: 25 x 150 mm	ea
MSPNG2	4798		\$ 27.50		thermometer: C 110 / F 230, metal V, 10ct	pkg
MSPNG2	314		\$ 22.00		tub: grey container (holds all materials)	ea
MSPNG2	4545		\$ 6.25		universal indicator, 100mL <u>(LTPC)</u>	btl
MSPNG2	5523		\$ 9.75		vanilla extract <u>(LTPC, 24 drops/session)</u>	btl
MSPNG2	5536		\$ 8.50		yeast (dry active) <u>(LTPC, 8tsp/session)</u>	jar

District / Building: \_\_\_\_\_

Consumable Material						
	Mat ID	Qty.	Cost	Extended	Material Description	Unit
MSPNG2	4260		\$ 4.75		balloon, 9" assorted colors, 25ct	pkg
MSPNG2	4377		\$ 5.75		corn syrup, 16 oz	btl
MSPNG2	5538		\$ 1.50		hand/toe warmers (disposable)	pkg/2
MSPNG2	850		\$ 3.25		oil, vegetable, 16oz	btl
MSPNG2	5530		\$ 1.00		powdered flavored drink mix	pkg
MSPNG2	720		\$ 4.00		vinegar	btl

District / Building: \_\_\_\_\_

Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSPNG3	Kit		\$ 995.00		Energy and the Electromagnetic Spectrum <i>(TG/SJ Not Included)</i>	kit
MPSNG3	Pack		\$ 25.00		Consumable Pack	pack
MPSNG3	5412		\$ 110.00		Teacher Guide <i>(Answer Key Included)</i>	ea
MPSNG3	5440		\$ 5.00		Answer Key: Student Journal	ea
MSPNG3	5409		\$ 2.50		Student Journal	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSPNG3	4449		\$ 15.95		acrylic sheets, colored filter paper	pkg
MPSNG3	293		\$ 9.25		aluminum foil, heavy duty	bx
MPSNG3	1356		\$ 9.50		aquarium: 1 1/2 gallon	ea
MPSNG3	1360		\$ 7.50		aquarium: 1 gallon	ea
MPSNG3	5554		\$ 5.75		assorted balls: MSP3 - Energy & Electromagnetic	pkg
MPSNG3	4154		\$ 1.75		baby powder	ea
MPSNG3	33		\$ 1.50		ball: tennis	ea
MPSNG3	1370		\$ 1.00		battery, D	ea
MPSNG3	4446		\$ 8.00		book: Principles of Light	ea
MPSNG3	5552		\$ 9.95		book: Ride That Roller Coaster!	ea
MPSNG3	5626		\$ 1.25		box: 2 x 2 x 1.5 (prism shape)	ea
MPSNG3	1433		\$ 1.25		candle, votive	ea
MPSNG3	5555		\$ 6.50		card set: Electromagnetic spectrum	set
MPSNG3	5546		\$ 15.00		card set: Roller Coaster Pictures	set
MPSNG3	5547		\$ 7.50		card set: Sun and Clouds	set
MPSNG3	5545		\$ 20.00		card set: Word Sort	set
MPSNG3	4608		\$ 3.99		clay stick, 4ct	pkg
MPSNG3	1789		\$ 1.50		coffee stirrer, 50ct	pkg
MPSNG3	4568		\$ 4.25		cork #8 , 25ct	ea
MPSNG3	5574		\$ 6.25		cup: 5 oz paper, 50ct	slv
MPSNG3	1671		\$ 10.00		cup: 9 oz clear plastic, 50ct	slv
MPSNG3	243		\$ 0.75		diffraction grating slides	ea
MPSNG3	283		\$ 2.75		flashlight	ea
MPSNG3	4304		\$ 3.75		flask, 50ml	ea
MPSNG3	5548		\$ 3.00		foam ramp (6 ft)	ea
MPSNG3	296		\$ 3.30		food coloring, blue	btl
MPSNG3	298		\$ 3.30		food coloring, red	btl
MPSNG3	317		\$ 5.75		hand boiler	ea
MPSNG3	4232		\$ 2.00		index card, 3 x 5, pkg of 100, white	pkg
MPSNG3	398		\$ 11.50		lamp, clamp	ea
MPSNG3	412		\$ 3.50		lightbulb, 60 watt (incandescent)	ea
MPSNG3	430		\$ 0.55		matches	bx
MPSNG3	1492		\$ 2.25		mirror, 3X5	ea
MSPNG3	1557		\$ 1.00		pan, aluminum, 1/4 sheet disposable	ea

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSPNG3	1045		\$ 1.50		paper clip: small 100ct	pkg
MPSNG3	4566		\$ 2.50		pipette 1ml, 25ct	pkg
MPSNG3	1520		\$ 2.00		plastic wrap, box	bx
MPSNG3	1660		\$ 4.00		prism, triangular, acrylic	ea
MPSNG3	4505		\$ 10.75		prism, triangular, glass 6"	ea
MPSNG3	2398		\$ 6.00		ramp	ea
MPSNG3	598		\$ 0.75		ruler: wood metric	ea
MPSNG3	1801		\$ 5.00		sand: 5 cups	bag
MPSNG3	624		\$ 5.25		slinky	ea
MPSNG3	1798		\$ 4.75		soil, garden: 5 cups	pkg
MPSNG3	648		\$ 4.50		spring scale, grams & newtons	ea
MPSNG3	4667		\$ 7.50		tape measure: metric, 10ct	pkg
MPSNG3	5005		\$ 27.50		thermometer: C 110 / F 230, flat, 10ct	pkg
MPSNG3	4506		\$ 4.25		thermometer: lab	ea
MPSNG3	314		\$ 22.00		tub: grey container (holds all materials)	ea
MPSNG3	4448		\$ 11.25		UV beads, 200ct	pkg
MSPNG3	4303		\$ 13.00		wire: copper (22 gauge) 8 pcs 12" ea	pkg

Consumable Material						
	Mat ID	Qty.	Cost	Extended	Material Description	Unit
MSPNG3	4260		\$ 4.75		balloon, 9" assorted colors, 25ct.	pkg
MPSNG3	98		\$ 0.50		box: 4 x 4 x 4 fold type	ea
MPSNG3	5557		\$ 1.25		crayon, bx of 8	bx
MPSNG3	4262		\$ 2.00		paper, construction, black, 9 x 12, 50ct.	pkg
MSPNG3	4403		\$ 2.00		paper, construction, white, 9 x 12, 50ct	pkg

District / Building: \_\_\_\_\_

Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSENG1	Kit		\$ 1,250.00		History of Earth	kit
MSENG1	Pack		\$ 40.00		Consumable Pack	pack
MSENG1	5583		\$ 110.00		Teacher Guide ( <i>Answer Key Included</i> )	ea
MSENG1	5586		\$ 5.00		Answer Key: Student Journal	ea
MSENG1	5580		\$ 2.50		Student Journal	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSENG1	5124		\$ 14.50		bag: plastic, 4mil, 8 x 8 resealable, <b>100ct</b>	pkg
MSENG1	5598		\$ 8.50		book: Earthquake	ea
MSENG1	5597		\$ 19.99		book: Under Michigan	ea
MSENG1	5261		\$ 7.00		card set: 4ENG, MSE1 Grand Canyon	set
MSENG1	5263		\$ 7.00		card set: 4ENG, MSE1 Grand Canyon Cross-Section	set
MSENG1	5608		\$ 20.00		card set: MSE1, Continents	set
MSENG1	5595		\$ 3.50		card set: MSE1, Fossil	set
MSENG1	5600		\$ 20.00		card set: MSE1, Fossils Across the Continents	set
MSENG1	5601		\$ 15.00		card set: MSE1, Plate Boundaries	set
MSENG1	5593		\$ 8.00		card set: MSE1, Seismograph Read Out & Scale	set
MSENG1	5594		\$ 8.00		card set: MSE1, Stratification in Michigan	set
MSENG1	5591		\$ 20.00		card set: MSE1, Word Sort	set
MSENG1	4608		\$ 3.99		clay stick, <b>4ct</b>	pkg
MSENG1	4559		\$ 1.50		craft sticks, <b>50ct</b>	pkg
MSENG1	1669		\$ 11.25		cup: 10 oz clear plastic, <b>45ct</b>	slv
MSENG1	5574		\$ 6.25		cup: 5 oz paper, <b>50ct</b>	slv
MSENG1	211		\$ 1.00		cup: measuring	ea
MSENG1	4603		\$ 1.50		dot sticker: green, <b>24ct</b>	pkg
MSENG1	4604		\$ 1.50		dot sticker: red, <b>24ct</b>	pkg
MSENG1	4605		\$ 1.50		dot sticker: white, <b>24ct</b>	pkg
MSENG1	4606		\$ 1.50		dot sticker: yellow, <b>24ct</b>	pkg
MSENG1	247		\$ 0.50		dowel: 1/4" x 6"	ea
MSENG1	274		\$ 1.50		fishing line, 30#	spool
MSENG1	1977		\$ 15.50		fossil set	set
MSENG1	4315		\$ 15.50		glass plates, 10ct.	box
MSENG1	4789		\$ 15.00		hand lens magnifier: medium w/handle, <b>10ct</b>	pkg
MSENG1	4333		\$ 10.95		map, tectonic plate	ea
MSENG1	4332		\$ 10.95		map, world	ea
MSENG1	1557		\$ 1.00		pan, aluminum, 1/4 sheet disposable	ea
MSENG1	475		\$ 4.25		pan, paint	ea
MSENG1	4331		\$ 4.99		pin, beaded head,(map pin), <b>100ct</b>	pkg
MSENG1	1496		\$ 1.50		play dough	can
MSENG1	5604		\$ 40.00		puzzle set: MSE1, Continents	set
MSENG1	5602		\$ 55.00		puzzle set: MSE1, Plate Tectonics	set
MSENG1	587		\$ 0.95		rock: 1" common	ea

**District / Building:** \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSENG1	4590		\$ 10.00		rock: igneous: basalt, <b>9ct</b>	bag
MSENG1	4592		\$ 10.00		rock: igneous: pink granite, <b>9ct</b>	bag
MSENG1	4467		\$ 2.75		rubber band assorted sizes, pkg	pkg
MSENG1	598		\$ 0.75		ruler: wood metric	ea
MSENG1	5375		\$ 1.00		shells (clam), <b>10ct</b>	pkg
MSENG1	4683		\$ 6.00		spoon, measuring, tablespoon, <b>25ct</b>	pkg
MSENG1	4804		\$ 8.50		spoon, table, metal, <b>10ct</b>	pkg
MSENG1	4319		\$ 9.50		streak plates, 10ct	box
MSENG1	659		\$ 4.00		string	ball
MSENG1	314		\$ 22.00		tub: grey container	ea
MSENG1	4567		\$ 10.00		washer: 5/16, <b>200ct</b>	pkg
MSENG1	5599		\$ 5.00		wire; spool	spool

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSENG1	5267		\$ 3.00		aquarium gravel, blue, 2 cup	pkg
MSENG1	5607		\$ 7.50		aquarium gravel, green, (5.5lbs)	pkg
MSENG1	5606		\$ 7.50		aquarium gravel, red, (5.5lbs)	pkg
MSENG1	4343		\$ 0.15		cardboard, corrugated 3" x 3"	ea
MSENG1	1671		\$ 10.00		cup: 9 oz clear plastic, <b>50ct</b>	slv
MSENG1	1801		\$ 5.00		sand: 5 cups	pkg
MSENG1	1798		\$ 4.75		soil, garden: 5 cups	pkg
MSENG1	1792		\$ 4.50		straw: clear, <b>100ct</b>	pkg

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Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSENG2	Kit		\$ 1,450.00		Weather, Climate, and Human Impact	kit
MSENG2	Pack		N/A		Consumable Pack	pack
MSENG2	5584		\$ 110.00		Teacher Guide ( <i>Answer Key Included</i> )	ea
MSENG2	5587		\$ 5.00		Answer Key: Student Journal	ea
MSENG2	5581		\$ 2.50		Student Journal	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSENG2	1355		\$ 10.15		acrylic cover 12x15	ea
MSENG2	4476		\$ 12.50		anemometer	ea
MSENG2	1360		\$ 7.50		aquarium: 1 gallon	ea
MSENG2	5124		\$ 14.50		bag: plastic, 4mil, 8 x 8 resealable, 100ct	ea
MSENG2	4260		\$ 4.75		balloon, 9" assorted colors, 25ct.	pkg
MSENG2	5105		\$ 33.95		barometer	ea
MSENG2	1370		\$ 1.00		battery, D	ea
MSENG2	1298		\$ 3.25		beaker, glass, 250 ml	ea
MSENG2	4480		\$ 15.95		betta tank (divided plastic tank)	ea
MSENG2	4482		\$ 12.75		book: How We Know What We Know	ea
MSENG2	5563		\$ 10.00		book: Oceans	ea
MSENG2	5564		\$ 10.00		book: Water	ea
MSENG2	5571		\$ -		booklet: Climate Literacy	ea
MSENG2	1215		\$ 3.95		bromothymol blue	ea
MSENG2	112		\$ 2.50		can, tin, (pint)	ea
MSENG2	4483		\$ 10.00		card set: Gases of the Atmosphere	set
MSENG2	4486		\$ 10.00		card set: Water Cycle Playing Cards	set
MSENG2	5566		\$ 6.50		card set: Bird Migration	set
MSENG2	5572		\$ 5.50		card set: Climate Change	set
MSENG2	5578		\$ 8.00		card set: Water Cycle	set
MSENG2	5577		\$ 20.00		card set: Weather Front	set
MSENG2	5567		\$ 10.00		card set: Weather or Climate	set
MSENG2	5579		\$ 8.00		card set: Winter Precipitation	set
MSENG2	5565		\$ 20.00		card set: Word Sort	set
MSENG2	4489		\$ 1.25		card: Hail Formation	ea
MSENG2	2434		\$ 29.00		classroom habitat / aquarium 3 gallon	ea
MSENG2	4608		\$ 3.99		clay stick, 4ct	pkg
MSENG2	827		\$ 0.30		container, clear deli, 16 oz	ea
MSENG2	944		\$ 0.30		container, clear deli, 8 oz	ea
MSENG2	4559		\$ 1.50		craft sticks, 50ct	pkg
MSENG2	4625		\$ 3.25		cup: 16 oz styrofoam, 25ct	slv
MSENG2	1676		\$ 7.75		cup: 8 oz paper, hot/cold, sleeve / 50	slv
MSENG2	211		\$ 1.00		cup: measuring	ea
MSENG2	1471		\$ 0.15		dice	ea

District / Building: \_\_\_\_\_

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSENG2	4606		\$ 1.50		dot sticker: yellow, 24ct	pkg
MSENG2	283		\$ 2.75		flashlight	ea
MSENG2	4304		\$ 3.75		flask, 50ml	ea
MSENG2	284		\$ 5.00		flask, pyrex, 250ml	ea
MSENG2	296		\$ 3.30		food coloring, blue	btl
MSENG2	298		\$ 3.30		food coloring, red	btl
MSENG2	5562		\$ 1.25		ice cube tray	ea
MSENG2	4230		\$ 3.75		index card, 5 x 8, pkg of 100, white	pkg
MSENG2	398		\$ 11.50		lamp, clamp	ea
MSENG2	844		\$ 0.25		lid, deli container	ea
MSENG2	412		\$ 3.50		lightbulb, 60 watt (incandescent)	ea
MSENG2	4571		\$ 1.75		match, fireplace, 40ct	bx
MSENG2	430		\$ 0.55		matches	bx
MSENG2	454		\$ 0.05		nail steel 12d	pkg
MSENG2	467		\$ 1.90		oven mitt/hot pad	ea
MSENG2	1557		\$ 1.00		pan, aluminum, 1/4 sheet disposable	ea
MSENG2	475		\$ 4.25		pan, paint	ea
MSENG2	4621		\$ 4.25		pepper (container)	ea
MSENG2	519		\$ 3.25		petroleum jelly	ea
MSENG2	4566		\$ 2.50		pipette 1ml, 25ct	pkg
MSENG2	1520		\$ 2.00		plastic wrap, box	ea
MSENG2	4210		\$ 0.50		protractor	ea
MSENG2	4296		\$ 5.50		rain gauge	ea
MSENG2	602		\$ 1.25		salt, box	ea
MSENG2	1801		\$ 5.00		sand: 5 cups	bag
MSENG2	95		\$ 3.00		spray bottle	ea
MSENG2	646		\$ 0.75		spring clips, metal	ea
MSENG2	1792		\$ 4.50		straw: clear, 100ct	pkg
MSENG2	4667		\$ 7.50		tape measure: metric, 10ct	pkg
MSENG2	4479		\$ 2.50		temperature strip	ea
MSENG2	1737		\$ 1.50		test tube: 25 x 150 mm	ea
MSENG2	4798		\$ 27.50		thermometer: C 110 / F 230, metal V, 10ct	pkg
MSENG2	2425		\$ 7.25		thermometer: outdoor model	ea
MSENG2	314		\$ 22.00		tub: grey container (holds all materials)	ea
MSENG2	714		\$ 0.02		twist tie	ea
MSENG2	1522		\$ 2.00		wax paper	bx
MSENG2	4477		\$ 48.95		weather center (barometer/hygrometer/thermometer)	ea
MSENG2	4478		\$ 31.50		weather vane	ea
Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
N/A						

District / Building: \_\_\_\_\_

Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSENG3	Kit		\$ 1,600.00		Interactions Among Earth and Space Systems	kit
MSENG3	Pack		\$ 75.00		Consumable Pack	pack
MSENG3	5679		\$ 55.00		Teacher Guide ( <i>Answer Key Included</i> ) Earth	ea
MSENG3	5585		\$ 55.00		Teacher Guide ( <i>Answer Key Included</i> ) Space	ea
MSENG3	5677		\$ 5.00		Answer Key: Student Journal Earth	ea
MSENG3	5588		\$ 5.00		Answer Key: Student Journal Space	ea
MSENG3	5678		\$ 2.50		Student Journal Earth	ea
MSENG3	5582		\$ 2.50		Student Journal Space	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSENG3	293		\$ 9.25		aluminum foil, heavy duty	ea
MSENG3	4381		\$ 0.25		bag: plastic, 4mil, 9 x 12 resealable	ea
MSENG3	4802		\$ 3.50		ball: ping pong, 10ct	pkg
MSENG3	33		\$ 1.50		ball: tennis	ea
MSENG3	4679		\$ 5.25		balloon, 9" black, 25ct	pkg
MSENG3	4680		\$ 5.25		balloon, 9" blue, 25ct	pkg
MSENG3	1370		\$ 1.00		battery, D	ea
MSENG3	4222		\$ 8.50		book: Comets, Meteors & Asteroids (space)	ea
MSENG3	5672		\$ 16.99		book: Our Solar System (space)	ea
MSENG3	1413		\$ 9.50		book: Remarkable Rocks (earth)	ea
MSENG3	4322		\$ 8.50		book: The Rock Factory (earth)	ea
MSENG3	5564		\$ 10.00		book: Water (earth)	ea
MSENG3	5645		\$ 19.99		book: We Are Water Protectors (earth)	ea
MSENG3	5644		\$ 29.99		book: Young Water Protectors (earth)	ea
MSENG3	5649		\$ 10.00		card set: Cracks in the Earth (earth)	set
MSENG3	5647		\$ 10.00		card set: Aquifer (earth)	set
MSENG3	5671		\$ 8.00		card set: Asteroid Belt (space)	set
MSENG3	5650		\$ 10.00		card set: Community Water Source (earth)	set
MSENG3	5669		\$ 10.00		card set: Eclipse (space)	set
MSENG3	5673		\$ 25.00		card set: Moon Phases (space)	set
MSENG3	5674		\$ 10.00		card set: Objects in the Sky (space)	set
MSENG3	5668		\$ 10.00		card set: Tides (space)	set
MSENG3	5578		\$ 8.00		card set: Water Cycle (earth)	set
MSENG3	4486		\$ 10.00		card set: Water Cycle Playing Cards	set
MSENG3	5648		\$ 10.00		card set: Water Cycle Playing Cards Supplemental	set
MSENG3	5670		\$ 8.00		card set: Whats Wrong With This Picture (space)	set
MSENG3	5646		\$ 20.00		card set: Word Sort (earth)	set
MSENG3	5667		\$ 20.00		card set: Word Sort (space)	set
MSENG3	4608		\$ 3.99		clay stick, 4ct	pkg
MSENG3	188		\$ 0.30		container, clear deli, 32 oz	ea
MSENG3	1794		\$ 1.50		cotton swab, 50ct	pkg
MSENG3	1469		\$ 1.00		crayon sharpener	ea

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Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSENG3	1471		\$ 0.15		dice	ea
MSENG3	283		\$ 2.75		flashlight	ea
MSENG3	4315		\$ 15.50		glass plates, 10ct.	bx
MSENG3	574		\$ 3.50		granite, pink crushed, 2 tbsp	pkg
MSENG3	4317		\$ 2.00		grater	ea
MSENG3	4789		\$ 15.00		hand lens magnifier: medium w/handle, 10ct	ea
MSENG3	1479		\$ 24.50		hot plate	ea
MSENG3	857		\$ 1.00		jar: 8 oz clear plastic w/lid	ea
MSENG3	398		\$ 11.50		lamp, clamp	ea
MSENG3	844		\$ 0.25		lid, deli container	ea
MSENG3	412		\$ 3.50		lightbulb, 60 watt (incandescent)	ea
MSENG3	4333		\$ 10.95		map, tectonic plate	ea
MSENG3	4332		\$ 10.95		map, world	ea
MSENG3	1689		\$ 1.85		marble, 100ct	ea
MSENG3	430		\$ 0.55		matches	ea
MSENG3	5676		\$ 10.55		mineral: halite, 10ct	pkg
MSENG3	1783		\$ 29.90		minerals set	set
MSENG3	4576		\$ 1.50		nail, iron, 6D, 25ct	pkg
MSENG3	467		\$ 1.90		oven mitt/hot pad	ea
MSENG3	1557		\$ 1.00		pan, aluminum, 1/4 sheet disposable	ea
MSENG3	1495		\$ 0.60		pan, aluminum, 9" disposable	ea
MSENG3	476		\$ 3.75		pan, pie, metal	ea
MSENG3	1046		\$ 1.50		paper clip: large 100ct	bx
MSENG3	506		\$ 2.00		peeler	ea
MSENG3	4566		\$ 2.50		pipette, 1ml, 25ct	ea
MSENG3	4655		\$ 5.25		pipette, 5ml, 10ct	ea
MSENG3	4219		\$ 24.95		posters: Planets	set
MSENG3	4607		\$ 2.00		push pins, 100ct	pkg
MSENG3	1780		\$ 29.90		rock set: igneous	set
MSENG3	1782		\$ 29.90		rock set: metamorphic	set
MSENG3	1781		\$ 29.90		rock set: sedimentary	set
MSENG3	587		\$ 0.95		rock: 1" common	ea
MSENG3	4257		\$ 1.85		rubber band #16, 50ct.	pkg
MSENG3	598		\$ 0.75		ruler: wood metric	ea
MSENG3	4658		\$ 3.00		sandpaper: 8" x 10", 10ct	pkg
MSENG3	4683		\$ 6.00		spoon, measuring, tablespoon, 25ct	ea
MSENG3	95		\$ 3.00		spray bottle	ea
MSENG3	4319		\$ 9.50		streak plates, 10ct	bx
MSENG3	659		\$ 4.00		string	roll
MSENG3	4667		\$ 7.50		tape measure: metric, 10ct	pkg
MSENG3	858		\$ 1.50		toothpicks	bx

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Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSENG3	314		\$ 22.00		tub: grey container (holds all materials)	ea
MSENG3	1854		\$ 4.00		wood: one piece ramp (15 1/2")	ea

Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSENG3	32		\$ 1.55		ball: styrofoam 3"	ea
MSENG3	4261		\$ 1.25		chalk, white, 12ct.	bx
MSENG3	167		\$ 5.95		clay, powdered	pkg
MSENG3	1827		\$ 6.25		crayons, 32 assorted colors	set
MSENG3	1671		\$ 10.00		cup: 9 oz clear plastic, sleeve / 50	slv
MSENG3	5651		\$ 0.02		envelope, white business (4 x 9)	ea
MSENG3	1805		\$ 5.50		pebbles: 5 cups	pkg
MSENG3	1801		\$ 5.00		sand: 5 cups	pkg
MSENG3	1798		\$ 4.75		soil, garden: 5 cups	pkg
MSENG3	1792		\$ 4.50		straw: clear, 100ct	pkg

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Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSLNG1	Kit		\$ 1,450.00		Stability & Change in an Ecosystem (TG/SJ/Organism Card Not Included)	kit
MSLNG1	Pack		N/A		Consumable Pack	pack
MSLNG1	5773		\$ 110.00		Teacher Guide (Answer Key Included)	ea
MSLNG1	5772		\$ 2.50		Student Journal	ea
MSLNG1	5782		\$ 120.00		Organism Card (MSL1) - <b>Non-Refundable</b> (2 each ferns, moss mats, millipedes, bess beetles and anoles, 200 mini meal worms, 24 crickets and rotting wood substrate)	ea

Non Consumable Material						
Kit ID	Mat ID	Qty	Price	Total Price	Description	Unit
MSLNG1	1360		\$ 7.50		aquarium: 1 gallon	ea
MSLNG1	1361		\$ 4.50		aquarium: 1 gallon lid	ea
MSLNG1	1358		\$ 35.00		aquarium: 10 gallon	ea
MSLNG1	1082		\$ 25.00		aquarium: 10 gallon lid	ea
MSLNG1	5764		\$ 15.99		book: Inside Ecosystems and Biomes	ea
MSLNG1	5763		\$ 14.99		book: Life and the Flow of Energy	ea
MSLNG1	5770		\$ 20.00		card set: Single Cell (Paramecium/Algae)	set
MSLNG1	5781		\$ 25.00		card set: Wolf/Moose	set
MSLNG1	5769		\$ 25.00		card set: Word Sort	set
MSLNG1	827		\$ 0.30		container, clear deli, 16 oz	ea
MSLNG1	5785		\$ 8.50		cricket food	jar
MSLNG1	5783		\$ 25.00		cricket keeper	ea
MSLNG1	1671		\$ 10.00		cup: 9oz clear plastic, 50ct	slv
MSLNG1	4561		\$ 7.50		forceps, 10ct	pkg
MSLNG1	5784		\$ 13.50		freeze-dried crickets	jar
MSLNG1	4789		\$ 15.00		hand lens magnifier: medium w/handle, 10ct	pkg
MSLNG1	4790		\$ 5.00		lid, 9oz, Solo #662, w/holes, 25ct	pkg
MSLNG1	4566		\$ 2.50		pipette, 1ml, 25ct	pkg
MSLNG1	1520		\$ 2.00		plastic wrap, box	bx
MSLNG1	1217		\$ 3.25		scalpel	ea
MSLNG1	4151		\$ 2.50		seed: grass, 1/2 cup	pkg
MSLNG1	994		\$ 10.50		slide cover, 100ct	bx
MSLNG1	5761		\$ 250.00		slide set, prepared plant and animals	set
MSLNG1	993		\$ 8.25		slide, glass, 72ct	bx
MSLNG1	1552		\$ 9.75		soil, peat	pkg
MSLNG1	4805		\$ 8.50		spoon, tea, metal, 10ct	pkg
MSLNG1	95		\$ 3.00		spray bottle	ea
MSLNG1	4479		\$ 2.50		temperature strip	ea