

# Vicksburg Community Schools Proposal Form with Guidance

Send completed *Proposal Form* and supporting documents to the Curriculum office by March 1<sup>st</sup>.  
This form will be used as your proposal cover sheet. Check each item as you edit or create your final draft.

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Title of Proposal: MI-STAR      Proposal Author(s): Gayle Moise, Mandy Keiser

Department and Curriculum Area: Science    Building: Vicksburg Middle School

Committee Members: Aimee Barnhart, Donna Cubbage, Jennifer Heeres, Lisa Harbor, Gayle Moise, JoEllen Pollack

❖ This proposal is for:

- Textbook and other teaching resources (*requires planned pilot process as part of the proposal request*)
- New courses or course revisions
- Full program or curriculum area reviews
- Program or curriculum area modifications
- Supplemental Instructional/Intervention Resource Requests

❖ Proposal Background & Overview – Write a narrative that includes:

- Relevant background/history.
- Problem or other basis for the proposal (i.e. student needs, etc.).
- Reasons for making the change.
- Targeted School Improvement Goals

❖ Complete Description of Proposed Change(s):

- List all major changes, components and/or strategies of the proposal.
- Give rationale for each change (base the rationale on research or best practice information).
- Include new course/textbook title, course/textbook replaced, credit, and prerequisite(s).
- Attach the current content expectations, course outline, and/or general syllabus.

❖ Implementation Plan

- Give a full explanation of the implementation timeline, action items, and responsibilities for implementing.
- Itemize, in detail, all proposal costs. Include 1<sup>st</sup> year costs and a budget to maintain the proposal after implementation. Include resource needed to support change. (texts, soft/hardware, web-based license, consumables, training, substitute cost for training, equipment, personnel). *\*Include attachment if needed.*

❖ Anticipated/Expected Impact

- Explain the anticipated proposal outcomes. Describe how the proposal will impact students, staff, and the instructional program. Include expected gains in student success. Include how this proposal articulates with other courses/levels in this subject area & across the curriculum.

❖ Proposal Evaluation Plan and Student Achievement

- Explain how this proposal will be evaluated, the timeline used, what data is to be collected (survey results, national, state, district, or classroom assessments), and how the evaluation will be reported.

Dates of Anticipated Review and Action: DSISC April 19, 2019 BOE May 13, 2019

Principal's Signature(s): 

(To be completed by Director of Curriculum and Instruction upon receipt of proposal.)

Date Received: 3/28/19

Comments on proposal:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RESPONSE:

Need more information: \_\_\_\_\_

Need to consult with:

the building principal(s) affected by this proposal

curriculum area chairperson

Other: \_\_\_\_\_

Proceed as outlined in the proposal



Director of Curriculum and Instruction

3/28/19

Date



Director of Technology

4/0/19

Date



## **Proposal Background & Overview:**

### Proposal History and Background.

*In November of 2015, the State Board of Education adopted new standards for science. The new Michigan K-12 Science Standards, based upon the Next Generation Science Standards, replaced the standards adopted in 2006, commonly known as the Grade Level Content Expectations and High School Content Expectations for Science. With the adoption of the new science standards, our current instructional resource was no longer aligned to state standards. Our initial work as a district focused on understanding and unpacking the new standards. Instructional resources aligned with the new standards are just becoming available. Through our work with Mary Burke, Science Consultant at KRESA, we learned about the Michigan Science Teaching and Reform (Mi-STAR) curriculum resource. Members of our middle school science team worked with the Director of Curriculum and Instruction and our Instructional Coach to implement the Course Design and Instructional Resource Review Process and used the EQUiP Lesson Screener to evaluate multiple lessons for evidence of quality.*

*Goal 4: All students at Vicksburg Middle School will achieve a student growth percentile (SGP) of average to above-average in Science. Measurable Objective 1: 100% of All Students will increase student growth with a mean SGP of 55 in science as defined by the Michigan K-12 standards in Science by 06/15/2020 as measured by 2020 Michigan state standards assessment.*

## **Complete Description of Proposed Change(s):**

Major changes, components or strategies of proposal.

*Our middle school science team is proposing implementation of the Mi-STAR Curriculum units for the 2019-20 school year in 6th and 7th grade with a continuation of the pilot process in the 8th grade. This new resource supports both the NGSS and the Michigan State Standards, while empowering students to use science and engineering practices to address real-world issues. This resource will replace our current Battle Creek Math and Science Center Science kits as they have yet to be aligned to the new state standards. Mi-STAR guides students to learn, use, and integrate the practices of science and engineering, the concepts that cut across all the science and engineering disciplines, and the disciplinary content that is the foundation upon which new knowledge is constructed. The curriculum includes formative and summative assessment items that are designed to help teachers gauge their students' progress while also preparing students for high-stakes tests. Mi-STAR's curriculum engages students in studies of problems related to the 21st-century Grand Challenges identified by the National Academies of Engineering and other science/engineering societies. Unique to this curriculum is that it is place-based, in that all of the problems addressed by students are relevant to the lives of children and families in the Great Lakes Region. The Mi-STAR Curriculum units will be used in science courses in grades 6th & 7th for the 2019-20 school year, with the final review for 8th grade use occurring in the spring of 2020. There are no prerequisites for these courses.*

- *Michigan K-12 Science Standards*

## **Implementation Plan:**

### a. Implementation strategies

<b>Timeline</b>	<b>Action</b>	<b>Person(s) Responsible</b>
April 2018	Meet to work on Initial EQUIP rubric and plan pilot of available units	MS Science team, Gail Van Daff, Mandy Keiser

August, 2018	Complete MiSTAR primers in preparation for teaching units	MS Science Team
September, 2018	Begin pilot implementation of Mi-STAR curriculum units	MS Science Team
October 29-31, 2018	Grade-Level Curriculum Primer Completion/Unit Planning	MS Science Team
December 12-14, 2018	Grade-Level Curriculum Primer Completion/Unit Planning	MS Science Team
February 2019	Evaluation program using EQUIP rubric, discuss needs,	MS Science Team, Gail Van Daff, Mandy Keiser
April, 2019	Proposal to DSISC	Donna Cubbage Gail Van Daff
May, 2019	Proposal to VCS School Board	Donna Cubbage Gail Van Daff
Summer 2019	Complete new unit primers as released	MS Science Team
Fall 2019 - Spring 2020	Full implementation of units available in 6th and 7th grade, piloting continues for 8th grade	MS Science Team
Fall 2019-Spring 2020	Ongoing unit primer work and curriculum work with grade level counterparts (1X a marking period)	MS Science Team, VCS Instructional Coaching Team
Spring 2020	Finish evaluation of curriculum implementation for 8th grade	MS Science team, Gail Van Daff, Mandy Keiser
Fall 2020-Spring 2021	Full implementation of curriculum 6-8th grade	MS Science Team

b. Proposal Costs

<b>Description</b>	<b>Number Needed/ Cost per Unit</b>	<b>Total Cost</b>	<b>Funding Source</b>
Materials <i>(add rows if needed)</i>			
Curriculum Access Fee (2019-2020)	6/\$50	\$300	
Curriculum Access Fee - Tentative (2020-2021 and beyond)	6/\$500 (2 year access)	\$3,000	
Boxes of paper - 8 boxes for 6th, 8 for 7th, 4 for 8th	20/\$21 (per Nancy Spicketts)	\$420	



Necessary materials for lessons as outlined in order attached.		\$13,238.33	
Professional Learning/Summer Curriculum Work			
MiSTAR Facilitator Training	1/\$850	\$850	Title IIa
Curriculum/Unit work/Analyze assessment data - Pull out days - (1X per marking period)	24/\$90	\$2160	Title IIa
Other Costs			
Potential additional materials may be necessary as units are released by MiSTAR. Some materials lists are not yet released/created.			

**Anticipated/Expected Impact:**

Proposal outcomes

- Increased student engagement while solving real-world issues.
- Students engaged in critical thinking and problem solving with higher order learning activities
- Students will experience lessons that follow the 3 Dimensions of the Next Generation Science Standards which include cross-cutting concepts, science and engineering practices, and disciplinary core ideas.
- Students will improve their data collection and analysis techniques as well as improving their science reasoning, all of which are beneficial to improving scores on the science portion of the MSTEP.
- Improve scientific discourse with teachers and fellow students.
- Program increases rigor of instruction and assessment.

**Proposal Evaluation Plan and Student Achievement:**

Evaluation and assessment

Action	Timeline	Person/ Team Responsible
Analysis of Unit Tests	After each unit	Grade level teams
Analysis of End of Unit Projects	After each unit	Grade level teams
Informal student self assessments - collect and discuss	After each unit	Grade level teams
Analysis of MSTEP data when available	Post MSTEP	MS Science Team and Instructional Coaches

Dept	Person Responsible		Item	Vendor Name	Qty Needed	Unit Price	Unit	Shipping	Total
Science	Cubbage		Paper soufflee cups	Amazon_https://www.amazon.com/Solo-Treati	1	\$9.90	250		\$9.90
Science	Cubbage		Soufflee Cups with Lids	Amazon_https://www.amazon.com/100-Sets-Pl	3	\$7.99	100 ct		\$23.97
Science	Cubbage		Resealable Bags-Gallon	Amazon_https://www.amazon.com/365-Everyd	6	\$3.99	7.79		\$23.94
Science	Cubbage		Wax paper	Amazon_https://www.amazon.com/365-Everyd	2	\$1.99	each		\$3.98
Science	Cubbage		Black Decor sand	Amazon_https://www.amazon.com/ACTIVA-Sce	4	\$12.81	5 lb		\$12.81
Science	Cubbage		Alka Seltzer	Amazon_https://www.amazon.com/Alka-seltzei	1	\$7.98	72 ct		\$31.92
Science	Cubbage		Lighters	Amazon_https://www.amazon.com/Bic-Multip	3	\$13.49	4 ct		\$40.47
Science	Cubbage		tea light candles	Amazon_https://www.amazon.com/CandleNSce	1	\$6.29	30 ct		\$6.29
Science	Cubbage		Pipe cleaners	Amazon_https://www.amazon.com/Cleaners-A	1	\$17.99	1000 ct		\$17.99
Science	Cubbage		Peat disk	Amazon_https://www.amazon.com/Count-Jiffy-	1	\$19.95	100 ct		\$19.95
Science	Cubbage		Latex Gloves-Medium	Amazon_https://www.amazon.com/Curad-Disp	1	\$9.99	100 ct		\$9.99
Science	Cubbage		String	Amazon_https://www.amazon.com/Darice-Poly	1	\$9.95	2 ct		\$9.95
Science	Cubbage		Iodized salt	Amazon_https://www.amazon.com/Diamond-C	1	\$13.98	2 ct		\$13.98
Science	Cubbage		Food Coloring-Red	Amazon_https://www.amazon.com/dp/B006K3	6	\$2.68	each		\$16.08
Science	Cubbage		Aluminum Foil	Amazon_https://www.amazon.com/dp/B07DRt	6	\$14.99	2 rolls		\$89.94
Science	Cubbage		Paper lunch bags	Amazon_https://www.amazon.com/Duro-Paper	1	\$16.96	500 ct		\$16.96
Science	Cubbage		Test Leads	Amazon_https://www.amazon.com/eBoot-Pieci	2	\$8.98	30 ct		\$17.96
Science	Cubbage		AA Batteries	Amazon_https://www.amazon.com/Energizer-B	1	\$12.99	24		\$12.99
Science	Cubbage		D batteries	Amazon_https://www.amazon.com/Energizer-A	1	\$15.99	12 ct		\$15.99
Science	Cubbage		AAA Batteries	Amazon_https://www.amazon.com/Energizer-A	1	\$12.14	24		\$12.14
Science	Cubbage		Heat lamp bulb 124 watt	Amazon_https://www.amazon.com/GE-48069-1	6	\$4.97	each		\$29.82
Science	Cubbage		Box Fans	Amazon_https://www.amazon.com/gp/offer-lis	10	\$27.32	each		\$273.20
Science	Cubbage		Balloons	Amazon_https://www.amazon.com/gp/offer-lis	1	\$4.98	100 ct	\$0.99	\$5.97
Science	Cubbage		Wax melts	Amazon_https://www.amazon.com/Hosley-Ass	1	\$12.99	6 ct		\$12.99
Science	Cubbage		Twine	Amazon_https://www.amazon.com/KINGLAKE-I	2	\$10.99	3 ct		\$21.98
Science	Cubbage		Soufflee Cups No Lids	Amazon_https://www.amazon.com/Large-Jello-	3	\$7.26	100 ct		\$21.78
Science	Cubbage		Plastic teaspoons	Amazon_https://www.amazon.com/Light-Weigl	1	\$9.99	400 ct		\$9.99
Science	Cubbage		Magnet wire 18 g	Amazon_https://www.amazon.com/Magnet-En-	1	\$10.25	100 ft	\$3.98	\$14.23
Science	Cubbage		Sponges	Amazon_https://www.amazon.com/Mastertop-	1	\$11.49	16 ct		\$11.49
Science	Cubbage		Top soil	Amazon_https://www.amazon.com/Michigan-P	1	\$32.01	40 lb		\$32.01
Science	Cubbage		1.5V 25mA Miniature Lamp	Amazon_https://www.amazon.com/Micro-Mini	1	\$33.92	20 ct		\$33.92
Science	Cubbage		Craft sticks	Amazon_https://www.amazon.com/Natural-Wc	1	\$9.31	1000 ct		\$9.31
Science	Cubbage		Aluminum Pans-9 x 13	Amazon_https://www.amazon.com/Pack-Alumi	1	\$18.99	30 ct		\$18.99
Science	Cubbage		Cotton Swabs	Amazon_https://www.amazon.com/PandaHom	2	\$5.99	200 ct		\$11.98
Science	Cubbage		Spray bottles	Amazon_https://www.amazon.com/Plastic-Crys	2	\$10.87	3 ct		\$21.74
Science	Cubbage		Yeast-Active Dry	Amazon_https://www.amazon.com/Red-Star-Gl	1	\$7.07	9 ct		\$7.07
Science	Cubbage		non bendable straws	Amazon_https://www.amazon.com/Sonrise-Reg	1	\$9.95	500 ct		\$9.95
Science	Cubbage		Plastic Cups-12 oz	Amazon_https://www.amazon.com/TashiBox-cl	4	\$14.29	200 ct		\$57.16
Science	Cubbage		Paper towels	Amazon_https://www.amazon.com/Viva-Multi-	2	\$25.64	12 ct		\$51.28
Science	Cubbage		Styrofoam Cups	Amazon_https://www.amazon.com/White-Disp	1	\$14.99	48 ct		\$14.99
Science	Cubbage		Resealable Bags-Sandwich	Amazon_https://www.amazon.com/Ziploc-Meg	3	\$8.39	280 ct		\$25.17
Science	Cubbage		horseshoe magnets	<a href="https://www.amazon.com/12-Horseshoe-Magn">https://www.amazon.com/12-Horseshoe-Magn</a>	1	\$7.79	pkg/12		\$7.79
Science	Harbour		bar magnets	<a href="https://www.amazon.com/Delta-Education-Pali">https://www.amazon.com/Delta-Education-Pali</a>	1	\$119.95	8 magnets		\$119.95
Science	Cubbage		bar magnets	<a href="https://www.amazon.com/dp/B014Q4HNVO?">https://www.amazon.com/dp/B014Q4HNVO?</a>	2	\$10.74	pkg/29		\$21.48
Science	Harbour		Electromagnet	<a href="https://www.amazon.com/ElectroMagnet/dp/E">https://www.amazon.com/ElectroMagnet/dp/E</a>	1	\$19.00	each		\$19.00
Science	Cubbage		LAMPVPATH (Pack of 8) AA Battery Holder	<a href="https://www.amazon.com/LAMPVPATH-Batten">https://www.amazon.com/LAMPVPATH-Batten</a>	8	\$8.99	8 pieces		\$71.92
Science	Harbour		triple beam balance 0.01 g sensitivity	<a href="https://www.amazon.com/Ohaus-Overhead-Mi">https://www.amazon.com/Ohaus-Overhead-Mi</a>	1	\$125.30	each		\$125.30
Science	Harbour		portable battery operated electronic balanc	<a href="https://www.amazon.com/Pruk-Multifunction-I">https://www.amazon.com/Pruk-Multifunction-I</a>	40	\$11.99	each		\$479.60
Science	Cubbage		3 D Magnetic Field Observation Item #P8-1: Arbor Scientific		2	\$45.00	each		\$90.00
Science	Cubbage		Adult Human Skeletal Muscle slides #31331 Carolina		20	\$7.70	each		\$154.00
Science	Cubbage		Mammal Giant Multipolar neuron slides #3: Carolina		20	\$7.90	each		\$158.00
Science	Cubbage		Onion Root Tip slides #302378 Carolina		20	\$6.40	each		\$128.00
Science	Cubbage		Typical Animal Cell #312250 Carolina		20	\$5.55	each		\$111.00
Science	Pollack		Swift* M2251B Educational Microscope						
Science	Pollack		Item # 595502	<a href="https://www.carolina.com/compound-corded-r">https://www.carolina.com/compound-corded-r</a>	18	\$272.00	each		\$4,896.00
Science	Harbour		Glass alcohol thermometers	<a href="https://www.carolina.com/stc-secondary-replai">https://www.carolina.com/stc-secondary-replai</a>	25	\$5.95	each		\$148.75
Science	Cubbage		Van de Graaff Generator replacement belt	<a href="https://winsco.com/product/rp-601-belt-rubbe">https://winsco.com/product/rp-601-belt-rubbe</a>	2	\$16.00	each		\$32.00
Science	Harbour		2 Slot Battery Case Holder Storage Box Batt	<a href="https://www.ebay.com/itm/113380139384">https://www.ebay.com/itm/113380139384</a>	16	\$1.40	each		\$22.40
Science	Cubbage		10 ml graduated Cylinders	Flinn Scientific	10	\$5.90	each		\$59.00
Science	Cubbage		50 ml graduated Cylinders GP2044	Flinn Scientific	10	\$7.10	each		\$71.00
Science	Pollack		Ethyl Alcohol 95% 20L	<a href="https://www.flinnsci.com/ethyl-alcohol-95-20-l">https://www.flinnsci.com/ethyl-alcohol-95-20-l</a>	1	\$129.25	each		\$129.25
Science	Pollack		corrosive cabinet	<a href="https://www.flinnsci.com/flinn-bench-top-acid-">https://www.flinnsci.com/flinn-bench-top-acid-</a>	1	\$495.70	each		\$495.70
Science	Cubbage		Flinn Goggles	<a href="https://www.flinnsci.com/flinn-visor-goggles/aj">https://www.flinnsci.com/flinn-visor-goggles/aj</a>	32	\$8.75	each		\$280.00
Science	Cubbage		Flinn Goggle Sanitizer Replacement Lamp	<a href="https://www.flinnsci.com/goggle-sanitizer-repl">https://www.flinnsci.com/goggle-sanitizer-repl</a>	3	\$53.10	each		\$159.30
Science	Pollack		30% Hydrogen peroxide REAGENT GRADE	<a href="https://www.flinnsci.com/hydrogen-peroxide-3">https://www.flinnsci.com/hydrogen-peroxide-3</a>	2	\$27.00	each		\$54.00



Dept	Person Responsible	Item	Vendor Name	Qty		Unit	Shipping	Total
				Needed	Unit Price			
Science	Cubbage	Alconox cleaning solution 4 lb.	<a href="https://www.flinnsci.com/products/apparatus/">https://www.flinnsci.com/products/apparatus/</a>	1	\$39.45	each		\$39.45
Science	Cubbage	refillable hydrogen tank	<a href="https://www.flinnsci.com/products/apparatus/">https://www.flinnsci.com/products/apparatus/</a>	1	\$374.45	each		\$374.45
Science	Cubbage	Lugol's Iodine 500 mL	<a href="https://www.flinnsci.com/products/biology/mi/">https://www.flinnsci.com/products/biology/mi/</a>	1	\$12.75	each		\$12.75
Science	Pollck	Flinn/SciMat Co 30-gallon Floor Flammable:	<a href="https://www.flinnsci.com/products/chemical-st/">https://www.flinnsci.com/products/chemical-st/</a>	1	\$643.85	each		\$643.85
Science	Cubbage	Acetone 4L	<a href="https://www.flinnsci.com/products/chemicals/i/">https://www.flinnsci.com/products/chemicals/i/</a>	2	\$34.00	each		\$68.00
Science	Cubbage	Magnesium 12.5 g approx 45 ft	<a href="https://www.flinnsci.com/products/chemicals/i/">https://www.flinnsci.com/products/chemicals/i/</a>	1	\$11.55	each		\$11.55
Science	Cubbage	Potassium iodide LAB GRADE 500g PO279	<a href="https://www.flinnsci.com/products/chemicals/i/">https://www.flinnsci.com/products/chemicals/i/</a>	1	\$110.20	each		\$110.20
Science	Cubbage	PTC PAPER test strips	<a href="https://www.flinnsci.com/search-results/?type:">https://www.flinnsci.com/search-results/?type:</a>	1	\$26.28	pkg/12		\$26.28
Science	Cubbage	stainless measuring spoons (set of 4)	<a href="https://www.walmart.com/ip/Mainstays-Measi">https://www.walmart.com/ip/Mainstays-Measi</a>	6	\$3.99	set		\$23.94
Science	Cubbage	polyesterfiberfill 10 lb box	<a href="https://www.walmart.com/ip/Poly-Fil-Premium">https://www.walmart.com/ip/Poly-Fil-Premium</a>	1	\$28.98	box		\$28.98
Science	Cubbage	Melamine Shower Board	Lowe's (Science team will pickup)	14	\$14.48	each		\$202.72
Science	Cubbage	Rive Ray Box Replacement Bulb	Sargent Welch	1	\$92.95	case		\$92.95
Science	Cubbage	FREY stopwatches	<a href="https://www.schoolspecialty.com/stopwatch-1384/">https://www.schoolspecialty.com/stopwatch-1384/</a>	2	\$22.49	pkg/12		\$44.98
Science	Cubbage	1" Masking Tape #9-1461996-675	School Specialty	20	\$5.49	each		\$109.80
Science	Cubbage	Assorted 2 pocket folders #9-084900-675	School Specialty	12	\$11.99	each		\$143.88
Science	Cubbage	Assorted File Folders # 9-1475805-675	School Specialty	6	\$23.99	each		\$143.94
Science	Cubbage	Assorted Highlighters #9-1354257-675	School Specialty	9	\$13.59	each		\$122.31
Science	Cubbage	Black Fine Sharpies (12 pk) # 9-077399-675	School Specialty	6	\$13.27	each		\$79.62
Science	Cubbage	Black Ultrafine Sharpies (12 pk) #9-077415-	School Specialty	6	\$14.67	each		\$88.02
Science	Cubbage	Blue Fine Sharpies (12 pk) #9-077401-675	School Specialty	6	\$13.27	each		\$79.62
Science	Cubbage	Blue UltraFine Sharpies (12 pk) #9-077417-	School Specialty	6	\$14.67	each		\$88.02
Science	Cubbage	Cardstock (Assorted) 8 1/2 x11 #9-318175-	School Specialty	2	\$17.38	each		\$34.76
Science	Cubbage	Cardstock (White) 8 1/2 x11 #9-248962-675	School Specialty	2	\$15.49	each		\$30.98
Science	Cubbage	Dice (144 pk) #9-005218-675	School Specialty	1	\$61.49	each		\$61.49
Science	Cubbage	Dry erase Markers (8 pk) #9-026284-675	School Specialty	30	\$17.69	each		\$530.70
Science	Cubbage	Duct tape (Blk) #9-1564334-675	School Specialty	6	\$6.75	each		\$40.50
Science	Cubbage	Duct tape (Blue) #9-1564330-675	School Specialty	6	\$6.79	each		\$40.74
Science	Cubbage	Duct tape (Purple) #9-1564336-675	School Specialty	6	\$6.75	each		\$40.50
Science	Cubbage	Elmer's glue sticks (60 pk) #9-1426323	School Specialty	2	\$34.57	each		\$69.14
Science	Cubbage	Large paper clips #9-084475-675	School Specialty	12	\$1.97	each		\$23.64
Science	Cubbage	Medium binder clips #9-032400-675	School Specialty	24	\$1.17	each		\$28.08
Science	Cubbage	Rubber bands (1/4# assort) #9-020874-675	School Specialty	5	\$2.49	each		\$12.45
Science	Cubbage	Scotch Tape (3 pk, refillable) #9-1369035-6	School Specialty	20	\$6.29	each		\$125.80
Science	Cubbage	Single hole paper punch #9-039423-675	School Specialty	18	\$1.27	each		\$22.86
Science	Cubbage	Small binder clips #9-032397-675	School Specialty	24	\$0.67	each		\$16.08
Science	Cubbage	Small paper clips #9-084472-675	School Specialty	12	\$1.57	each		\$18.84
Science	Cubbage	Wirebound Notebooks #9-2002877-675	School Specialty	40	\$1.77	each		\$70.80
Science	Cubbage	Plastic Tubs 16Qt	Target (Science team will pickup)	20	\$6.00	each		\$120.00
Science	Cubbage	Plastic Tubs 58 gal	Target (Science team will pickup)	20	\$9.00	each		\$180.00
Science	Cubbage	Plastic Tubs 66 gal	Target (Science team will pickup)	20	\$15.00	each		\$300.00

Dept	Person Responsible	Item	Vendor Name	Qty Needed	Unit Price	Unit	Shipping	Total
Science	Cubbage	Paper souffee cups	Amazon_https://www.amazon.com/Solo-Treat	1	\$9.90	250		\$9.90
Science	Cubbage	Souffee Cups with Lids	Amazon-https://www.amazon.com/100-Sets-Pl	3	\$7.99	100 ct		\$23.97
Science	Cubbage	Resealable Bags-Gallon	Amazon-https://www.amazon.com/365-Everyd	6	\$3.99	7.79		\$23.94
Science	Cubbage	Wax paper	Amazon-https://www.amazon.com/365-Everyd	2	\$1.99	each		\$3.98
Science	Cubbage	Black Decor sand	Amazon-https://www.amazon.com/ACTIVA-Sce	1	\$12.81	5 lb		\$12.81
Science	Cubbage	Alka Seltzer	Amazon-https://www.amazon.com/Alka-seltze	4	\$7.98	72 ct		\$31.92
Science	Cubbage	Lighters	Amazon-https://www.amazon.com/Bic-Multipl	3	\$13.49	4 ct		\$40.47
Science	Cubbage	tea light candles	Amazon-https://www.amazon.com/CandleNSce	1	\$6.29	30 ct		\$6.29
Science	Cubbage	Pipe cleaners	Amazon-https://www.amazon.com/Cleaners-Ac	1	\$17.99	1000 ct		\$17.99
Science	Cubbage	Peat disk	Amazon-https://www.amazon.com/Count-Jiffy-	1	\$19.95	100 ct		\$19.95
Science	Cubbage	Latex Gloves-Medium	Amazon-https://www.amazon.com/Curad-Disp	1	\$9.99	100 ct		\$9.99
Science	Cubbage	String	Amazon-https://www.amazon.com/Darice-Poly	1	\$9.95	2 ct		\$9.95
Science	Cubbage	Iodized salt	Amazon-https://www.amazon.com/Diamond-C	1	\$13.98	2 ct		\$13.98
Science	Cubbage	Food Coloring-Red	Amazon-https://www.amazon.com/dp/B006K3	6	\$2.68	each		\$16.08
Science	Cubbage	Aluminum Foil	Amazon-https://www.amazon.com/dp/B07DRH	6	\$14.99	2 rolls		\$89.94
Science	Cubbage	Paper lunch bags	Amazon-https://www.amazon.com/Duro-Paper	1	\$16.96	500 ct		\$16.96
Science	Cubbage	Test Leads	Amazon-https://www.amazon.com/eBoot-Pieci	2	\$8.98	30 ct		\$17.96
Science	Cubbage	AA Batteries	Amazon-https://www.amazon.com/Energizer-B	1	\$12.99	24		\$12.99
Science	Cubbage	D batteries	Amazon-https://www.amazon.com/Energizer-A	1	\$15.99	12 ct		\$15.99
Science	Cubbage	AAA Batteries	Amazon-https://www.amazon.com/Energizer-A	1	\$12.14	24		\$12.14
Science	Cubbage	Heat lamp bulb 124 watt	Amazon-https://www.amazon.com/GE-48069-1	6	\$4.97	each		\$29.82
Science	Cubbage	Box Fans	Amazon-https://www.amazon.com/gp/offer-lis	10	\$27.32	each		\$273.20
Science	Cubbage	Balloons	Amazon-https://www.amazon.com/gp/offer-lis	1	\$4.98	100 ct	\$0.99	\$5.97
Science	Cubbage	Wax melts	Amazon-https://www.amazon.com/Hosley-Assr	1	\$12.99	6 ct		\$12.99
Science	Cubbage	Twine	Amazon-https://www.amazon.com/KINGLAKE-I	2	\$10.99	3 ct		\$21.98
Science	Cubbage	Souffee Cups No Lids	Amazon-https://www.amazon.com/Large-Jello	3	\$7.26	100 ct		\$21.78
Science	Cubbage	Plastic teaspoons	Amazon-https://www.amazon.com/Light-Weigl	1	\$9.99	400 ct		\$9.99
Science	Cubbage	Magnet wire 18 g	Amazon-https://www.amazon.com/Magnet-En-	1	\$10.25	100 ft	\$3.98	\$14.23
Science	Cubbage	Sponges	Amazon-https://www.amazon.com/Mastertop-	1	\$11.49	16 ct		\$11.49
Science	Cubbage	Top soil	Amazon-https://www.amazon.com/Michigan-P	1	\$32.01	40 lb		\$32.01
Science	Cubbage	1.5V 25mA Miniature Lamp	Amazon-https://www.amazon.com/Micro-Mini	1	\$33.92	20 ct		\$33.92
Science	Cubbage	Craft sticks	Amazon-https://www.amazon.com/Natural-Wc	1	\$9.31	1000 ct		\$9.31
Science	Cubbage	Aluminum Pans-9 x 13	Amazon-https://www.amazon.com/Pack-Alumi	1	\$18.99	30 ct		\$18.99
Science	Cubbage	Cotton Swabs	Amazon-https://www.amazon.com/PandaHom	2	\$5.99	200 ct		\$11.98
Science	Cubbage	Spray bottles	Amazon-https://www.amazon.com/Plastic-Crys	2	\$10.87	3 ct		\$21.74
Science	Cubbage	Yeast-Active Dry	Amazon-https://www.amazon.com/Red-Star-Gl	1	\$7.07	9 ct		\$7.07
Science	Cubbage	non bendable straws	Amazon-https://www.amazon.com/Sonrise-Reg	1	\$9.95	500 ct		\$9.95
Science	Cubbage	Plastic Cups-12 oz	Amazon-https://www.amazon.com/TashiBox-cl	4	\$14.29	200 ct		\$57.16
Science	Cubbage	Paper towels	Amazon-https://www.amazon.com/Viva-Multi-	2	\$25.64	12 ct		\$51.28
Science	Cubbage	Styrofoam Cups	Amazon-https://www.amazon.com/White-Disp	1	\$14.99	48 ct		\$14.99
Science	Cubbage	Resealable Bags-Sandwich	Amazon-https://www.amazon.com/Ziploc-Meg	3	\$8.39	280 ct		\$25.17
Science	Cubbage	horseshoe magnets	<a href="https://www.amazon.com/12-Horseshoe-Magn">https://www.amazon.com/12-Horseshoe-Magn</a>	1	\$7.79	pkg/12		\$7.79
Science	Harbour	bar magnets	<a href="https://www.amazon.com/Delta-Education-Pai">https://www.amazon.com/Delta-Education-Pai</a>	1	\$119.95	8 magnets		\$119.95
Science	Cubbage	bar magnets	<a href="https://www.amazon.com/dp/B014Q4HNVO?">https://www.amazon.com/dp/B014Q4HNVO?</a>	2	\$10.74	pkg/29		\$21.48
Science	Harbour	Electromagnet	<a href="https://www.amazon.com/ElectroMagnet/dp/E">https://www.amazon.com/ElectroMagnet/dp/E</a>	1	\$19.00	each		\$19.00
Science	Cubbage	LAMPVPATH (Pack of 8) AA Battery Holder	<a href="https://www.amazon.com/LAMPVPATH-Batten">https://www.amazon.com/LAMPVPATH-Batten</a>	8	\$8.99	8 pieces		\$71.92
Science	Harbour	triple beam balance 0.01 g sensitivity	<a href="https://www.amazon.com/Ohaus-Overhead-Mi">https://www.amazon.com/Ohaus-Overhead-Mi</a>	1	\$125.30	each		\$125.30
Science	Harbour	portable battery operated electronic balanc	<a href="https://www.amazon.com/Pruk-Multifunction-I">https://www.amazon.com/Pruk-Multifunction-I</a>	40	\$11.99	each		\$479.60
Science	Cubbage	3 D Magnetic Field Observation Item #P8-1: Arbor Scientific		2	\$45.00	each		\$90.00
Science	Cubbage	Adult Human Skeletal Muscle slides #31331 Carolina		20	\$7.70	each		\$154.00
Science	Cubbage	Mammal Giant Multipolar neuron slides #3 Carolina		20	\$7.90	each		\$158.00
Science	Cubbage	Onion Root Tip slides #302378 Carolina		20	\$6.40	each		\$128.00
Science	Cubbage	Typical Animal Cell #312250 Carolina		20	\$5.55	each		\$111.00
Science	Pollack	Swift® M2251B Educational Microscope Item # 595502	<a href="https://www.carolina.com/compound-corded-r">https://www.carolina.com/compound-corded-r</a>	18	\$272.00	each		\$4,896.00
Science	Harbour	Glass alcohol thermometers	<a href="https://www.carolina.com/stc-secondary-repla">https://www.carolina.com/stc-secondary-repla</a>	25	\$5.95	each		\$148.75
Science	Cubbage	Van de Graaff Generator replacement belt	<a href="https://winsco.com/product/rp-601-belt-rubbe">https://winsco.com/product/rp-601-belt-rubbe</a>	2	\$16.00	each		\$32.00
Science	Harbour	2 Slot Battery Case Holder Storage Box Batt	<a href="https://www.ebay.com/itm/113380139384">https://www.ebay.com/itm/113380139384</a>	16	\$1.40	each		\$22.40
Science	Cubbage	10 ml graduated Cylinders	Flinn Scientific	10	\$5.90	each		\$59.00
Science	Cubbage	50 ml graduated Cylinders GP2044	Flinn Scientific	10	\$7.10	each		\$71.00
Science	Pollack	Ethyl Alcohol 95% 20L	<a href="https://www.flinnsci.com/ethyl-alcohol-95-20-l">https://www.flinnsci.com/ethyl-alcohol-95-20-l</a>	1	\$129.25	each		\$129.25
Science	Pollack	corrosive cabinet	<a href="https://www.flinnsci.com/flinn-bench-top-acid-">https://www.flinnsci.com/flinn-bench-top-acid-</a>	1	\$495.70	each		\$495.70
Science	Cubbage	Flinn Goggles	<a href="https://www.flinnsci.com/flinn-visor-goggles/ar">https://www.flinnsci.com/flinn-visor-goggles/ar</a>	32	\$8.75	each		\$280.00
Science	Cubbage	Flinn Goggle Sanitizer Replacement Lamp	<a href="https://www.flinnsci.com/goggle-sanitizer-repl">https://www.flinnsci.com/goggle-sanitizer-repl</a>	3	\$53.10	each		\$159.30
Science	Pollack	30% Hydrogen peroxide REAGENT GRADE	<a href="https://www.flinnsci.com/hydrogen-peroxide-3">https://www.flinnsci.com/hydrogen-peroxide-3</a>	2	\$27.00	each		\$54.00