



To: Kevin Philipps

From: Tim Peraino

Date: March 14, 2023

Re: 2023/2024 Capital Expenditure and Building Improvement/Alteration Requests

The Capital Expenditure and Building Improvement process begins each December. Notice is sent to all departments to submit forms for equipment and building alteration requests. Requests are reviewed and discussed between Building Administrators, Assistant Superintendents, the Director of Information Technology and the Facilities Department, ensuring the numbers being presented have been vetted through a comprehensive review process.

This year, the initial amount of requested equipment and projects totaled \$3,843,312. After reviewing all requests and prioritizing the most critical, we are seeking approval of new/replacement equipment requests in the amount of \$1,435,523 and building improvement/alteration requests in the amount of \$999,625. As always, when we replace HVAC equipment, controls or lighting, we make every attempt to replace with products that will provide Kent ISD with the best energy conservation and control. These requests have been prioritized by need. Any emergency or unforeseen change may alter the priority level of an item or possibly add or eliminate items.

Below is a summary of proposed expenditures:

## 2023-24 Capital Outlay Request Breakdown

Building/Department	Capital Outlay/ New Equipment	Replacement Equipment	Equipment Totals	Building Improvements	Grand Total
Educational Service Center		23,000	23,000	85,000	108,000
KCTC & Regional Satellites	846,528	422,623	1,269,151	650,323	1,919,474
My School @ Kent		63,904	63,904		63,904
Kent Transition Center	14,828	11,640	26,468	80,000	106,468
Facilities/Site	53,000		53,000	144,302	197,302
Kent Conference Center				40,000	40,000
Totals:	914,356	521,167	1,435,523	999,625	2,435,148

This recommendation is for the review of the Board. Competitive bids will be obtained for any supplies, materials, or equipment that amount to more than the current base established by Public Act 159 of 1990 and presented to the Board for approval. Please feel free to contact me with any questions.

## 2023-24 Kent ISD New and Replacement Equipment Requests

### Educational Service Center

#### Information Technology

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
1	Room AV Upgrades - ESC Coldwater Room	R	23,000	23,000	The Coldwater Room audio-visual system is in need of a complete upgrade in order to improve user experience, provide high-quality AV support for presenters, & meet current high-definition video standards. The audio amplifier has been replaced with used equipment on two occasions & requires replacement. Additionally, the wireless microphones need to be updated to comply with new FCC frequency band requirements. One digital display is no longer functional & one has been experiencing regular failures. The last update to the system was in 2015, and a system upgrade is now necessary.	Ron Houtman

### Kent Career Technical Center

#### Administration and Other Depts

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
2	zSpace Inspire Pro Laptops with Hardware & Warranty	N	4,500	9,000	3-D Curriculum delivery for CTE and STEM concepts in CTE programs to simulate lab activities for hazardous content (ex. Electric Vehicles). Recruiting and Career Exploration tools for students in LEAs and at Career Fairs to virtually experience a variety of career options	Cary Stamas (Career Readiness)
10	Samsung BE55T-H 55" Commercial Displays	R	649	6,490	Building communication, student celebrations, safety & security.	Joe Lienesch
1	HP Elitebook 640 G9	R	820	820	Currently using an old student device	Stephanie Comer (Student Svcs)

#### Agriscience

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
1	Clevertouch IMPACT Series & Mount	R	4,358	4,358	Old equipment is outdated and inadequate for the classroom	Heather Pratt
1	PowerLite Laser Projector with Built-in Wireless	R	1,148	1,148	Current projector is outdated and not operational.	Heather Pratt

#### Auto Collision

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
6	Tool Sets	N	5,500	33,000	The program advisory committee has brought to our attention that entry level technicians from tech center programs don't know the tools necessary for the job, how to use them properly, or how to take care of the tools to ensure that they are available & in good working order. The committee with instructor advisement feels it is a good educational investment for the students to be responsible for finding, using, & taking care of the tools used in the lab rather than have a staff member do it for them.	Charles Heinz

**Kent Career Technical Center**

**Auto Collision**

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
6	Millermatic AutoSet 141	N	1,113	6,678	The current MIG welders have reached an age and duty cycle where they are needing constant repair work. Some of these repairs exceed the value of the current welder.	Charles Heinz
6	Toolboxes	N	590	3,540	Tool boxes to hold the tool sets listed above	Charles Heinz
2	Autel MaxiSYS MS906Pro-TS Scan Tool	N	1,449	2,898	Due to the need to pre-scan and post-scan each vehicle that enters the shop, and teach students how to read a scanner report, it is necessary to have multiple scanners available for several students to work on at a time.	Charles Heinz
1	HP Elitebook 640 G9	N	820	820	Charles does not have a laptop and needs one	Charles Heinz

**Auto Technology**

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
4	Rotary SPOA10 2-post Hoist and Rotary Arms Lift	N	7,150	28,600	Added classes need A170 & A175 setup with hoist as lab space for student use. Students need equal access to equipment to provide quality learning environment with the limited class time that is available.	Nathan Vannest
1	Used Jeep Vehicle	N	14,000	14,000	Students need new vehicles with new Technologies to practice automotive repair. Auto Tech Department also must have current vehicle to meet curriculum demands and ASE Education Foundation Certification Requirements.	Nathan Vannest
30	HP Chromebook 14 G7	N	400	12,000	Last class without a dedicated cart	Nathan Vannest
2	Apollo-D9 Vehicle Scan-Tool	N	4,637	9,274	Scan-tool are used more often in diagnostic on modern vehicles. Additional students in program, modern vehicles, updates to curriculum, and ASE education foundation certification demands all require more Scan-tool availability for students.	Nathan Vannest
2	Autometer BVA-34 Battery/Electrical System Tester	R	1,950	3,900	Students train on frequently and two of our older BVA-34 broke. Repair cost is similar to replacement cost and the old one were used heavily.	Nathan Vannest
2	Autometer BVA-34 Battery/Electrical System Tester	N	1,950	3,900	Curriculum changes and added students to program require more test equipment is need to accommodate the student training.	Nathan Vannest
15	Fluke 115 Digital Multimeter	N	220	3,300	Curriculum changed & more students were add to program. We need more electrical testing equipment DVOMs (Digital Volt Ohm Meter)to adequately cover the demand	Nathan Vannest
3	HP Elitebook 640 G9	N	820	2,460	For Auto CTE's who currently don't have laptops	Chris Yetzke
6	HP Chromebook 14 G7	R	400	2,400	Replacing lab laptops for service info and parts lookup.	Chris Yetzke
3	HP Probook 450 G9	N	624	1,872	To use with scan tools in the lab	Nathan Vannest
1	Laptop Cart	N	1,400	1,400	For chromebooks in Room AA195	Nathan Vannest

**Kent Career Technical Center**

**Auto Technology**

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
2	2-Drawer Tech Series Mobile Computer Service Cart with Locking Cabinet	N	550	1,100	Cart is needed to house computer and hardware for vehicle diagnostic equipment during student training. Require non-tip cart with small foot print to conserve lab space and that will allow multiple students to view laptop screen simultaneously.	Nathan Vannest
4	12 pc 1/2" Drive 6-Point Metric Flank Drive® Deep Impact Socket Set	N	260	1,040	Change in curriculum & more classes added have made these sockets utilized more. We currently do not have enough 1/2" drive deep impact sockets for student use which impacts student learning & time usage in the lab.	Nathan Vannest
4	HP Elitebook 640 G9	R	250	1,000	Measuring tool use in multiple vehicle repair areas for supporting student learning of required ASE Educational Foundation curriculum.	Nathan Vannest
1	HP Elitebook 640 G9	N	820	820	Replacing 5 year old laptop	Marshal Lystra
1	HP Elitebook 640 G9	N	820	820	Replacing 5 year old laptop	Michael Kiekoover
1	HP Elitebook 640 G9	R	820	820	Current laptop broken	Chris Yetzke
6	IRWIN Tools Metric Tap and Hex Die Set	R	136	816	Tap & Die Set are worn-out & missing pieces. Students need a good set that operate as designed to support learning & proper technique/ workmanship	Nathan Vannest

**Criminal Justice**

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
1	MILO Range Advanced Training System Mobile Judgment and De-Escalation Simulator	N	31,485	31,485	To increase the frequency of scenario-based training (SBT) for students to improve their cognitive thinking. Our criminal justice advisory board wanted us to focus on decision making skills. Students can develop the necessary skill sets needed to appropriately deal with de-escalation situations. Students learn by doing & by interacting with others to develop solutions to problems that they encountered. The MILO system has over 8000 scenarios that focus on de-escalation, cognitive thinking, & decision making.	Martin Brown

**Diesel**

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
1	Hydraulic Trainer	N	35,000	35,000	This hydraulic trainer will add to the other one that we have. We are currently limited on the number of students that we can train at one time. This trainer would add another two stations to help in training students.	Jeff Kollin
5	Bench Vises	R	1,300	6,500	Current vices are not operational in that they do not lock down & the jaws are missing pieces.	Jeff Kollin
4	Heavy Duty Shop Benches	R	1,600	6,400	Current benches are not heavy enough for students to properly use the vises attached to the benches.	Jeff Kollin

**Kent Career Technical Center**

**Diesel**

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
1	Machine Boom Safety Supports	N	1,400	1,400	Machines sometimes do not come with safety supports to use while working on the equipment. With these supports, students can work safely under a raised load. These boom supports will hold a load in the air to safely work under the machine.	Jeff Kollin
1	42" TV w/ Flat Mount Bracket	N	500	500	TV mounted above lab pc for presenting	James Cain

**Digital Animation & Game Programming**

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
16	Drawing Tablet - Wacom Cintiq 16	N	650	10,400	Industry standard tool for graphical design that students need practice using to be more employable & career ready	Marc Petz

**Graphic Communications**

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
60	Student computer package with mac mini and dual monitors	R	1,713	102,780	Current Macs are coming to an end of software/hardware support. 3-4 hard drives being replaced each year. Mac mini will cut cost as well as allow for industry standard computer with dual monitor set up	Kylie Dykema
3	Instructor Mac Laptops	R	1,999	5,997	Instructor laptops are coming to an end with software/hardware support	Kylie Dykema

**Health Careers**

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
1	MedDispense Cabinet	N	36,000	36,000	Skill simulation, simulation of healthcare environment, practice trainer	Jennifer Majeske
1	SimMan Live Shock	N	22,000	22,000	Skill simulation and practice trainer	Jennifer Majeske
9	Outpatient Exam Tables	R	1,924	17,316	Replacement of incorrect equipment	Jennifer Majeske
5	Simulation Skill Mannikins	R	2,381	12,005	Replacement of broken equipment	Jennifer Majeske
30	HP Chromebook 14 G7	R	400	12,000	Replacing outdated devices	Lisa Coin
30	HP Chromebook 14 G7	R	400	12,000	Replacing outdated devices	Jennifer Majeske
2	Intramuscular Injection Simulator Buttocks	N	5,000	10,000	Skill simulation and practice trainer	Jennifer Majeske
1	MegaCode Kid Manikin	N	7,080	7,080	Skill simulation and practice trainer	Jennifer Majeske
13	Laparoscopic Surgical Trainers	R	395	5,135	Simulation of surgical procedure and equipment	Jennifer Majeske
12	HP Chromebook 14 G7	N	400	4,800	For students to chart bedside	Beth O'Donnell
12	HP Chromebook 14 G7	N	400	4,800	For students to chart bedside	Beth O'Donnell
12	HP Chromebook 14 G7	N	400	4,800	For students to chart bedside	Beth O'Donnell
13	Galaxy Tablet	N	299	3,887	Simulation of surgical procedure/ equipment and patient charting trial	Jennifer Majeske
4	Intramuscular Injection Simulator	N	867	3,468	Skill simulation and practice trainer	Jennifer Majeske
1	Clever Touch 75"	R	3,400	3,400	CleverTouch to replace broken projector	Gabe Hill
1	DCA Advantage-A1C Testing	N	2,690	2,690	Skill simulation and practice trainer	Jennifer Majeske
4	S-SCORT III Suction Unit	N	655	2,620	Skill simulation and practice trainer	Jennifer Majeske
5	HP Chromebook 14 G7	N	400	2,000	Additional chromebooks to bring cart up to 30	Nate Cooper
2	Clinitek Urinalysis Analyzers	N	931	1,862	Skill simulation and practice trainer	Jennifer Majeske

**Kent Career Technical Center**

**Health Careers**

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
1	EMT 3 Position Rapid Response Kit	N	1,530	1,530	Skill simulation and practice trainer	Jennifer Majeske
9	Hand Sanitizer Stations	N	140	1,260	Infection control and safety	Jennifer Majeske
1	65" TV and cart	N	1,000	1,000	To replace failing projector	Karri Harding
2	Powerheart G5 AED Trainer w/iCPR	N	465	930	Skill simulation and practice trainer	Jennifer Majeske
1	Sked Basic Rescue System	N	920	920	Skill simulation and practice trainer	Jennifer Majeske
13	Remote Speaker Microphone	N	67	871	Skill simulation and practice trainer	Jennifer Majeske
1	65" TV w/ Flush Mount	N	800	800	TV Monitor for Lab	Gabe Hill
100	Curaplex Glove Pouch	N	7	700	Skill simulation and practice trainer	Jennifer Majeske
4	Powerheart G5 AED Premium	N	146	584	Skill simulation and practice trainer	Jennifer Majeske
2	Compact Multi-Charger	N	291	582	Skill simulation and practice trainer	Jennifer Majeske
4	Injectable Newborn Leg	N	138	552	Skill simulation and practice trainer	Jennifer Majeske

**Hospitality**

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
5	HP Chromebook 14 G7	N	400	2,000	Additional chromebooks to bring cart up to 30	Mary Hunter
5	HP Chromebook 14 G7	N	400	2,000	Additional chromebooks to bring cart up to 30	Denise Pohl
1	HP Elitebook 640 G9	N	820	820	Laptop for new position	Pete Gonzales
1	HP Elitebook 640 G9	R	820	820	Replacing 5 year old laptop	Robin Briggs
1	HP Elitebook 640 G9	N	820	820	New position - needs laptop	Steve Austin
1	65" TV with Arm Mount	R	800	800	Replacing projector setup with TV setup	Mary Hunter

**Marketing**

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
30	HP Probook 440 G9	R	675	20,250	Needs the ability to use Adobe products in class	Kirk Helfrich
30	HP Probook 440 G9	R	675	20,250	Replacing HP Chromebook in order to install adobe software	Renee Lafurgey

**Mechatronics**

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
12	Universal Robots & Accessories	N	33,118	397,410	The addition of these robots will allow more students to be working on the robots at once which will allow time for more in-depth labs. Students will be able to complete industry certifications along with meeting the needs of local industry for training. The additional robots will be used in the Advanced Mechatronics class as well as the students learn to integrate them into automation lines. These addition robots will prepare students for industry along with giving them hand-on opportunities that they would not see in most colleges.	Travis Raspotnik

### Kent Career Technical Center

#### Mechatronics

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
8	Epson Robots & Accessories	N	8,046	64,372	The addition of these robots will allow more students to be working on the robots at once which will allow time for more in-depth labs. Students will be able to receive direct training to earn industry certifications along with meeting the needs of local industry. Students will also learn how to setup and program with different types of End of Arm Tooling, and work with canned cycles for palletizing. The additional robots will be used in the Advanced Mechatronics class as well as the students learn to integrate them into automation lines along with programming the robot to control the automated lines. These addition robots will prepare students for industry along with giving them hand-on opportunities that they would not see in most colleges.	Travis Raspotnik
60	HP Probook 440 G9 + RAM Upgrade	R	700	42,000	Similar Specs(little better obviously) to probook 440 g6. Ram upgrade if possible	Travis Raspotnik
2	60 capacity laptop cart	R	2,600	5,200	Doesnt NEED Charging	Travis Raspotnik

#### Networking & Cyber Security

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
10	A+ Lab Equipment	N	3,000	30,000	More hands on equipment needed to teach and reinforce A+/Net+ and other certifications.	Joe Lake
60	PC Parts	R	487	29,220	PC Builds are important to teach ITF+ and A+ technical standards.	Joe Lake
6	Flashforge Adventurer 4 3D Printer	R	800	4,800	Students need practice configuring and supporting 3d printers. This topic is on our A+ certification test. Hands on practice is best.	Joe Lake

#### Teacher Academy

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
1	HP Zbook Power G9	R	1,258	1,258	Will be replacing a HP Zbook studio G3 and would like a similar product but newer	Joe Phillips

### MySchool @ Kent

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
150	HP Chromebook 14 G7	R	400	60,000	To replace missing/broken devices - aligns with increased enrollment.	Gerry Verwey
4	HP Elitebook 640 G9	R	820	3,280	Replacing 5 yr old laptops	Gerry Verwey
1	HP Probook 450 G9	R	624	624	Replacing 5 yr old laptops	Deb VanDyke

### Kent Transition Center

#### Administration/Building

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
1	HP Elitebook 640 G9	R	820	820	Replacing Old Probook 450	Mary Musto
1	HP Elitebook 640 G9	R	820	820	Requested by user	Vicki Bickle
1	Docking Station	N	120	120	For laptop setup	Vicki Bickle

### Kent Transition Center

#### Child & Family Care

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
2	Docking Station	N	120	240	For staff stations with dual monitors	Teyondra Burch

#### CORE

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
25	HP Chromebook 14 G7	R	400	10,000	This is a cart of about 15 laptops and they are starting to break.	Lorie Dulak

#### Hospitality

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
1	Cook & Hold Oven - Alto-Shaam 1200-TH SX	N	14,468	14,468	With 2 classes now in the KTC kitchen, different equipment is needed. This would be used by students for different cooking technique they will see in the work force. Exposing students to proper commercial equipment would prepare students to be successful in the work force.	Ryan Marklevitz

### Regional Satellites

#### Aviation Electronics

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
25	CES Analog Trainers	R	3,105	77,625	Upgrading current basic electricity test boxes for students to get hands-on practical experience with working on electrical circuits. We currently have some outdated test boxes that need to be updated.	Nick Brown
1	Add G5 HIS/DG to GFC 500 Autopilot in Piper PA-28-140	N	6,696	6,696	Added equipment to bring single Garmin G5 instrument up to a dual G5 Flight Instrument system for autopilot System acquired during 2022-23 Cap Outlay.	Nick Brown
10	Fluke 87V Industrial Multimeter	R	501	5,010	With combining both programs more, we need to have more multimeters. These multimeters will be used to measure current and will be used in conjunction with the test boxes as well as on aircraft projects. We currently do not have enough of these multimeters due to the increase in program size, as well as working with the aviation maintenance side.	Nick Brown
10	DMC AFM8 Crimping Tool	R	406	4,060	Need more of these tools in the lab. We currently only have 4, & students have to share them. This takes too much time and we cannot accomplish enough in the lab with only 4 of these tools. In the lab, these are used daily, & with the increase of students we need more of these tools.	Nick Brown

#### Aviation Maintenance

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
15	ATS Aircraft Rivet Gun	R	137	2,055	Current rivet guns are old, most 15 years+. Most worn beyond capable repairs to make safe for student use.	Josh Miller



### Regional Satellites

#### GVSU - BioTech Medical

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
3	Nikon Microscopes	N	1,999	5,997	Needed to upgrade existing Microscopes to accommodate Research grade Photo & Screen	Russell Wallsteadt
3	Microscope System with Screen	N	1,790	5,370	Opportunity to control cost by adapting existing microscopes and supplying enough students in lab to increase research efficiency.	Russell Wallsteadt
2	HP 5500 Resting ECG Machine (Used)	R	1,995	3,990	Replacing 2003 ECG Machines that are failing to work.	Russell Wallsteadt

### Facilities/Main Campus

#### Facilities

Qty	Description	N/R	Unit Cost	Total	Rationale	Requestor
1	Boom Mower	N	20,000	20,000	Mower for various areas on campus such as trails, rope course, wood areas, etc.	Tim Peraino
1	Club Car	N	15,000	15,000	Transportation around campus	Tim Peraino
1	Billy Goat Leaf Blower	N	12,000	12,000	Fall leaf clean up	Tim Peraino
1	Brush Hog	N	5,000	5,000	Attachment for the Ventrac machine to add for mow brush on campus	Tim Peraino
1	Air Ride Seat	N	1,000	1,000	Attachment for Ventrac machine	Tim Peraino

TOTAL    1,435,523

## 2023-24 Kent ISD Building Improvement Requests

<b>Educational Service Center</b>	<b>Budgeted</b>	<b>Total</b>
Camera Data Storage	40,000	85,000
AHU-3 Condensing Unit	30,000	
HVAC Controller Upgrades	15,000	

<b>Kent Career Technical Center</b>	<b>Budgeted</b>	<b>Total</b>
Auto Tech Program Lab Modifications	150,000	650,323
Lot 3 Asphalt	140,000	
Boiler/Chiller/Equipment Partial Replacement	45,000	
Carpet in A105, E521, E522, D470, D480	40,000	
Graphic Design Program Lab Modification	40,000	
D-74 Flat Roof Drainage and Excavation	35,000	
D-5 Drainage and Concrete	30,000	
Lot 5 Fencing at Auto Bays	30,000	
X-Wing Electrical Panels	25,000	
Condensing Unit Replacement	25,000	
Locker Replacement in D-Wing Phase 1	25,000	
GMB Mechanical Assessment	15,000	
Soft Starts/VFDs on Select Motors	15,000	
HVAC Controller Upgrades	15,000	
Agriscience Program Hoop Houses	10,323	
Lot 3 Gate Operator Island Removal	10,000	

<b>Kent Transition Center</b>	<b>Budgeted</b>	<b>Total</b>
UVT Replacement	50,000	80,000
HVAC Controller Upgrades	15,000	
Soft Starts/VFDs on Select Motors	15,000	

<b>Kent Conference Center</b>	<b>Budgeted</b>	<b>Total</b>
Carpet Replacement	40,000	40,000

<b>Facilities/Main Campus</b>	<b>Budgeted</b>	<b>Total</b>
Site Lighting Replacement Poles	75,000	144,302
Pole Building Excavation and Foundation Work	69,302	

**TOTAL                      999,625**