INSTRUCTIONAL EQUIPMENT REQUEST
2017-2018

Internal Use
IE #: FALL-14
Total $: 4,318.56

Requester Name: Jason Craighead **Division Name:** BHAWK

SECTION 1: SUMMARY INFORMATION

Brief Title of the Request:

LED pace clocks/time clock (3).

They will be permanently mounted outside on the pool deck. Once mounted, they will be visible from anywhere within the aquatic complex, and also double as a regular (time of day) clock, which we do not have out at the pool. The clocks also automatically sync with each other wirelessly.

Two clocks will be mounted around the large pool on the light poles, and one at the small pool.

Equipment Location Building: Aquatic Complex **Room:** **Pool 1 and Pool 2**

Location Comments:

Mounted on light poles for maximum visibility, and the light poles already have electricity.

SECTION 2: EQUIPMENT DESCRIPTION

The equipment is: ☐ **A Replacement** ■ **An Upgrade** ■ **New Equipment/Technology**

Describe the specific equipment requested and how it will be used to replace, upgrade or provide new technology to LPC from what is currently in place:

The pace clocks are electric LED pace clocks with a red display that are visible to all students at the aquatic complex, and also double as a clock. This is new equipment/technology and an upgrade from our current ones.

For the new equipment/technology upgrade, these clocks are designed for permanent outdoor use and are weather resistant, weigh half as much, and have a larger display for better visibility.

The old ones (purchased with the original equipment when the pool was built with Measure B) are "splash resistant" and not designed for permanent outdoor use. The old ones have been used for a variety of aquatic courses, and have battery or power cord options. The batteries are replaced 1-2 times a year, require overnight charging, and last long enough to run 1-2 classes before needing to be charged or plugged in anyway. They weigh approximately 30 pounds and are cumbersome for most to carry in and out of the storage room for all the different courses and activities. The old ones are usually placed on a chair, lifeguard stand, or diving board for visibility and safety purposes, and should not be used in the rain (one has already been shorted out and had a new circuit board replaced from water damage).

The new ones are more simple, efficient, safe, and practical than the old ones.

This will raise the stature of the programs, facility, and College. This pool/program is rare in the community and has a one-of-a-kind status, but it lacks in practical equipment that is expected of a college program (even a community/recreational program).

SECTION 2: EQUIPMENT DESCRIPTION (contd)

If applicable, describe the legal requirement, mandate, or safety concern for purchase of this equipment, making specific reference to the legal requirement or regulation:

The safety concern for which we are requesting pace clocks is that the old ones consistently require use and placement of electrical cords on the pool deck. In order for the current pace clock to be visible, we must use a 25ft extension cord to get it to a central location for visibility. Plugging and unplugging extension cords in a wet environment is not ideal, let alone safe. We have already damaged one circuit board due to water and electricity, and routinely have breaker problems.

In addition, the old ones are heavy and awkward to carry around at 30 pounds. They clocks are moved in and out of the storage room multiple times each day based on the number of courses and activities using them.

SECTION 3: LPC MISSION STATEMENT AND LPC PLANNING PRIORITIES

LPC MISSION STATEMENT:

LPC is an inclusive learning-centered institution providing educational opportunities and support for completion of students' transfer, degree, basic skills, career-technical, and retraining goals.

LPC PLANNING PRIORITIES:

- **Accreditation: Establish regular and ongoing processes to implement best practices to meet ACCJC standards.**
- **Curriculum: Provide necessary institutional support for curriculum development and maintenance.**
- **Tutoring Services: Expand tutoring services to meet demand and support student success in Basic Skills, CTE, and Transfer courses.**
- **Professional Development: Coordinate available resources to address current and future professional development needs of faculty, classified professionals, and administrators in support of educational master plan goals.**

Specify how the equipment supports *LPC's Mission Statement* and *Planning Priorities*:

The equipment requested supports the LPC Mission Statement as it provides educational opportunities and support for students' transfer and degree. The instructional courses that will use the equipment are ALL tied to the KIN Transfer degree and coaching certificate.

The primary purpose of an ACCJC - accredited institution is to foster student learning and student achievement.

For Accredition and meeting ACCJC standards, the primary relationhip of this equipment is to Standard III (The institution effectively uses its human, physical, technology, and financial resources to achieve its mission and to improve academic quality and institutional effectiveness):

Standard III
B. Physical Resources
1. The institution assures safe and sufficient physical resources at all locations where it offers courses, programs, and learning support services. They are constructed and maintained to assure access, safety, security, and a healthful learning and working environment.
2. The institution plans, acquires or builds, maintains, and upgrades or replaces its physical resources, including facilities, equipment, land, and other assets, in a manner that assures effective utilization and the continuing quality necessary to support its programs and services and achieve its mission.
3. The institution assures that technology resources at all locations where it offers courses, programs, and services are implemented and maintained to assure reliable access, safety, and security.

In addition, the ACCJC standards also state that "The institution effectively uses delivery modes, teaching methodologies and learning support services that reflect the diverse and changing needs of its students, in support of equity in success for all students."

This equipment adds to the Physical Resources to serve students by allowing the instructor to use multiple delivery methods and teaching methodologies to achieve success for all students.

SECTION 4: EDUCATIONAL ITEMS – PROGRAM REVIEW

Specify the educational programs this equipment supports:

Swimming 1, 2, 3, 4
Swim Fitness 1, 2, 3, 4
Water Polo 1, 2, 3
Aqua Aerobics
Adapted Aquatics
Kinesiology 50 - Intercollegiate Swim & Dive
Kinesiology 51 - Preseason Intercollegiate Swim & Dive
Kinesiology 60/65 - Intercollegiate Water Polo
Kinesiology 61 - Offseason Water Polo

If this equipment is included in your Program Review, please include the exact wording. If equipment is not included, explain why:

We did not list specific equipment as the nature of our department and activity disciplines utilize a wide variety of equipment that needs to be replaced and upgraded.

From our Program Review,
IV. Resource Requests, C. Financial
"Continued maintenance, repair, and replacement of existing facilities and equipment for both activity courses and Intercollegiate Athletics."

2. Rationale for financial request(s).
"We are a program that is very heavy on equipment. Without resources to maintain what we already have or purchase new/replacement equipment to meet our diverse offerings, student learning will decrease."

SECTION 5: TEACHING AND LEARNING

Describe in detail the impact this equipment will have on <u>teaching</u>:

Visibility from any position on the pool deck will make it much easier to teach and monitor student progress throughout the courses. We use the pace clocks daily to work towards and assess Student Learning. It allows the instructor to employ various teaching and training methodologies for specific courses and students with varying abilities. Students are assessed througout the semester on varying distances and times swims. With the new pace clocks in place, the instructor can stand in any position on the pool deck and be able to monitor student progress without taking a watchful eye off the pool.

It is a valuable teaching tool. Understanding how to read and use a pace clock is a fundamental of swimming, in which they can carry that outside of the LPC courses and use that fundamental knowledge at any aquatic facility in any program.

It is also very valuable as a time management tool. Currently there are no clocks on the pool deck. Structure and time management are very important in any class. With all three clocks syncronized wirelessly, both the instructor and students are able to monitor the time, apply teaching and training methodologies, and assess progress.

Describe in detail the impact this equipment will have on <u>learning</u>:

For students, visibility is the most important factor. The larger numbers and LED display make it easier for students to read. We have students with different learning abilities and vision, and wearing goggles can limit visibility. The large red LED displays make it very easy for most anyone to read from anywhere within the pool.

Students with varying ability and interests are able better apply specific concepts and training methodologies when they do not have to focus on where the pace clock is and if they can read it. It also allows students to assess themselves and guage their own progress throughout the course.

Each academic year, this equipment will impact: 9 **# of classes/sections** 260 **# of students**

SECTION 6: OUTCOMES (SLOs)

Using your documented SLOs, specify how the equipment will enable student learning outcomes to be achieved.

From the list below of SLO's from Swimming 3-4, Swim Fitness 1-4, Kin 50, Kin 51, Aqua Aerobics, Water Polo 3, KIN 61. The pace clock is a vital teaching tool that allows the instructor to design lesson plans not only to SLO's, but to enhance student learning for students of all abilities and interests. Our Swim Fitness family of courses is designed to teach/train students for varying race distances and intensities. Interval training and pacing are just two ways for the instructor to teach towards SLO's as well as an opportunity for students to assess themselves during class.

Utilize pace clocks to incorporate intervals into a training regimen to enhance skill development.
Construct multiple stroke drills that lead to a stated objective for one stroke
Evaluate NCAA Swimming Rules and Regulations and apply them in a race situation
Demonstrate safe warm-up and cool-down techniques
Organize each swimming stroke and/or a competitive stroke into a training program.
Illustrate a personalized training program based upon aquatic fitness training principles.
Organize a training goal based upon aquatic training principles.
Demonstrate a training methodology that will increase power and speed in swimming
Demonstrate how to maintain Threshold Pace throughout a given swim set
Demonstrate training methodologies for the Individual Medley
Identify the benefits interval training and pacing have on distance swimming
Compare and contrast distance swimming in the pool to open water swimming
Assess exercise intensity and be able to modify accordingly
Demonstrate a specific stroke drill with a stated objective
Generalize aerobic training methods
Demonstrate advanced swimming and diving skills appropriate to intercollegiate level athletic competition
Develop a high level of physical conditioning
Evaluate various contest situations and integrate appropriate solutions
Understand the concept of periodization training
Arrange a series of speed/quickness drills to reach a stated objective

What are the consequences related to learning outcomes if request is not funded?

Learning outcomes will be severely limited as the range of possibilities in aquatic training programs are not able to meet the needs of students with varying levels of fitness and experience.

SECTION 7: TOTAL COST OF OWNERSHIP (FINANCIAL & SUSTAINABILITY)

What is the potential life span of the requested equipment?

10 plus years.

If new storage is needed what are the storage requirements, location requirements, and costs associated with the new equipment: (NOTE: Specific storage costs should be detailed in the "*Part A: Initial Start-up Costs*" section below.)

No storage required.

If this equipment replaces old equipment but the old equipment will not be retired, are there on-going storage requirements, location requirements, and costs associated with the old equipment? If so, provide details.

No storage costs to keep the old ones.

What will be required to maintain the equipment, such as regular servicing or upkeep? (Specific on-going costs should be detailed in the "*Part B: On-Going Annual Operating Costs*" sections below as applicable.)

No regular maintenance or upkeep.

Explain how this equipment meets or exceeds basic sustainability efforts and/or provides renewable resources to the college:

LED panel lights are far more efficient than traditional lighting.

Part A: Initial Start-up Costs

Item	Cost	Comments
Equipment or Materials	3848	
Taxes (9.5%)	365.56	
Shipping or Delivery Charge	105	
Installation Costs *		
Miscellaneous Costs:		
Facilities Modifications		
Operator Training		
Maintenance & Repair Training		
Storage		
Other: _____		
Vendor Discount		
Grand Total:	4318.56 ✓	

***For items requiring installation, requesters are required to check with District Purchasing (Victoria Lamica) regarding District policies.**

Part B: On-Going Annual Operating Costs

Item	Cost	Comments
Annual Service or Maintenance		
Estimated Parts Replacement Per Year		
Outside Standardization or Calibration Costs		
Storage Costs		
New Supply Costs		
Miscellaneous Costs:		
Maintenance & Repair Labor		
Other: _____		
Annual Operating Costs:	0	

Indicate the source of funding for on-going annual operating costs:

N/A

Part C: Incremental Labor Costs

OPERATOR:

Indicate the key operator: Aquatic Instructors

Is this in their current scope of duties? Yes

Indicate cost to train key operator (include in Initial Start-up Costs above): 0

Indicate amount of time per month key operator will use equipment: 80 hours

MAINTENANCE & REPAIRS:

Indicate the person performing maintenance and repairs: M&O

Is this in their current scope of duties? yes, if not it will be sent to manufacturer

Indicate cost to train for maintenance and repairs: 0

Indicate amount of time per month maintenance will be required: hopefully never

APPROVALS

Funded requesters will be expected to respond to a brief RAC feedback survey by a requested deadline. Requests for computer-related equipment and printers must be reviewed by the LPC IT Department.

Signatures:

Requester	**Date** 11/28/17
IT Department (if required)	**Date**
Dean/Manager	**Date** 11/28/17
Vice President	**Date** 11/28/17

Colorado TIME SYSTEMS
A PLAYCORE Company

1551 E 11th Street, Loveland, CO 80537 USA ● +1(970)667-1000 ● (800)279-0111 ● +1(970)667-5876(fax)
www.coloradotime.com

November 16, 2017

Jason Craighead
Las Positas College
Customer 18104

Dear Jason,

The following is the price quotation you requested. Colorado Time Systems has been the leader in sports timing for over 40 years, and we are pleased that you have considered CTS to be a part of your team.

Colorado Time Systems also offers a wide range of multi-sport scoreboards tailored to fit your needs – and your budget. If you have any questions or comments, please call me at (970) 667-1000 ext. 3539 or e-mail AndrewP@coloradotim.com. For general sales assistance, please call (800)279-0111, option 2. Look for us online at http://www.coloradotime.com.

PACE CLOCK

Qty	Model	Description	Price
3	SP-1400	4-digit Slim Pace Clock *Features:* • 4-Digit Pace Clock • 13" Red Digits – Viewable up to 500 feet • High Intensity LED – Indoor/Outdoor • 2.8" deep • Displays Hour/Minutes or Minutes/Seconds • 15 lbs.	**$3,848**
1	TAX	9.5% sales tax	**$365.56**
1	ZSHIP	Estimated cost for ground shipping from Colorado Time Systems to destination.	**$105**

TERMS:	Purchase order or 50% down, net 30 days. Visa, MasterCard or American Express are acceptable. Quote does not include power, permits, engineering fees, delivery charges or installation, unless otherwise noted. Change order fee of 5% will apply after purchase. All returns are subject to a 25% restocking fee.
WARRANTY:	2 Year limited Warranty (1 year on Dolphin Systems)
DELIVERY:	4 to 6 weeks after receipt of order; 10 to 18 weeks on CDS displays.
TAXES:	If Purchaser is tax-exempt or purchasing for resale, a copy of purchaser's tax-exempt certificate shall be required at time of order. If purchaser's tax-exempt certificate is not available purchaser shall be charged all appropriate tax.
NOTE:	Price quotations valid for 30 days. Canadian customers are responsible for duty on imported product. All quotations from Colorado Time Systems are in U.S. Dollars.

Best Regards,

Andrew Priest

Andrew Priest
Southern California Sales Representative

AP/AB