Resource Allocation Proposal (RAP) 2015-16

RAP ID: IO 105-1516

Proposal Title: Fossil Hominin Casts

Originator and Position: Erik Ozolins, Professor of Anthropology

Area Dean: Dr. Rich Rowley

Campus: MVC

Area Vice President: Dr. Schwerdtfeger

Budget Account Code: 112230000220200004320

*Total Amount Requested: $8487.00

*Please complete all applicable portions of “Section VI - Projected Expense File” now to determine the “Total Amount Requested” above. If you have questions, please contact Paul Hert.

Please check:

| One-Time Funding: ☒ | On-Going Funding: ☐ | Safety: ☐ | **Personnel: ☐ |

**As part of a pilot project, the RAP is currently being utilized to record personnel requests. The PAR/PAR process does not supplant joint hiring or the district staffing plan.

1.) For what are you asking?  2.) Why is the request timely and important?  3.) Where was the need identified? Please answer these three questions in 250 words or less. See instructions for further explanation.

We are asking for $8487 to purchase 27 primate and fossil hominin casts. These casts would serve several functions. The Western Science Center has asked me to collaborate with them on an exhibit of Hominin Evolution to be displayed in Spring or Fall of 2016. In order to be able to complete the exhibits we will need additional casts other than those we currently have. Once the exhibit is over, the casts will be used by the Anthropology faculty at the San Jacinto campus and possibly at the San Gorgonio and/or Temecula Centers as these areas do not have a similar fossil hominin cast collection as at Menifee. The need is timely because all of the materials that we plan to use in the exhibit must be purchased by Spring of 2016 in time for the exhibit. Additionally, during our program review we noted that Anth 101 classes have a lower success rate at SJC and SGP. Access to alternative materials such as casts when teaching about human evolution is currently not equitable across the district. Therefore, the ability to use these materials in the college after the exhibit should improve student success. As part of 2014 Program Review (page 11) we indicated a need to augment cast collections and to raise community-wide profile of our program and this purchase would help meet both of those goals.
Section I – Program Review and Learning Outcomes - 20 points possible

1.) Identify support from your 2014-15 Program Review for this request (8 points).  Link to Program Review

Our 2014-15 Program Review (Section I.B.1) (p 2-3) indicates that students at SGP and SJC have lower success rates than students at MVC and TEC. While we focused on the locations and the types of courses offered at these sites another possible factor might be the access to alternative educational items such as casts that the students can look at and manipulate. Additionally, the Program Review (section II.A.) (pg 10-11) lists under goals that we hope to be able to expand our department collections, specifically mentioning the need to purchase additional new cast materials. This section also indicates as a goal that we hope to continue to increase the visibility of the Anthropology Program, and being associated with an exhibit at a Museum that receives 25,000 visitors each year would have the effect of raising our profile. Finally, Section IV.B (pg 13-14) lists as part of our accomplishments the relationship that the Anthropology Department has with the Western Science Center. This collaboration would further cement this relationship and allow us to continue to tout this collaboration in future Program Reviews and Updates.

2.) How will this request help improve student learning in the course and/or program (12 points)?  Link to Learning Outcomes

The Course Learning Outcomes for Anth 101 are: 1. The student will identify and recognize natural selection as a mechanism for evolutionary change.2. The student will analyze the hominin fossil evidence and apply that knowledge to an interpretation of human biological heritage.3. The student will define the biological concept of “race” and explain the failure of the concept to explain and describe human variation.  CLO #2 specifically mentions the ability to analyze hominin fossil evidence, but at SJC, TEC and SGP, the ability to show students this evidence is typically limited to photos and movies while at MVC we are able to use the fossil casts that the students can manipulate and compare in three dimensions to each other. It is reasonable to assume that the ability to use cast materials will improve the CLO assessment scores for this particular CLO. Additionally, CLO 1 which refers to natural selection can be addressed by looking at Hominin evolution over time and the use of fossil casts will help students to have an improved visual for those changes.

Section II – Alignment with Institutional Priorities via the Strategic Plan - 25 points possible

1.) How is your request aligned to the strategic goals below?  Check all (typically 2 – 6 goals total) that apply.  Click here for the 2015-16 Prioritization Allocation Rubric (PAR) for points-weighting during scoring.
2014-17 Strategic Plan Goals

☐ 1. Reduce time to completion of student educational goals and increase degree, transfer and certificate completion.
☐ 2. Drive institutional decision-making using internal and external data to inform planning and prioritize resources.
☐ 3. Refine staffing plan and process
☐ 4. Improve fiscal responsibility that is sustainable for the long term
☐ 5. Identify sustainability strategies to improve efficiencies in processes district-wide
☐ 6. Expand and improve student involvement in campus life
☐ 7. Promote quality of institution through enhanced communication within the community (internal/external)
☐ 8. Enhance the overall campus life experience
☐ 9. In an effort to serve students build bridges between instructional services, student services and administrative services
☐ 10. Increase the College’s visibility, value and recognition in the service area

2.) Please describe the connections between the goals you checked and your proposal (200 words maximum):

The purchase of these casts will meet Goal 1 by improving student success and hopefull helping our SJC and SGP Anth 101 success rates to come closer to the 70% success rates we see at MVC and TEC. If students are not having to retake classes due to poor grades, they will complete their MSJC requirements faster. This will meet Goal 7 and 10 by having college faculty and the name associated with a high profile institution in the Valley. Over 25,000 people visit the museum annually and they would recognize the commitment that the college has to the community due to the collaboration on this exhibit.

Section III – Alignment with Institutional Plans - 15 points possible

Explain how your proposal is supported by the following plans: 2009-16 Educational Master Plan (4 points), Distance Education Plan (4 points), Technology Plan (4 points) and/or Facilities Master Plan (3 points). Link to Plans

Page 6 of the Educational Master Plan references that one of the most important goals of the college to build and maintain partnerships with its communities. Maintaining and increasing our collaboration with the Western Science Center will help to meet this goal for the college. “One of the most important goals of the College is to build and maintain partnerships with its communities and service areas. In order to achieve that goal, staff have developed connections through special relationships in the following areas: partnerships with business and industry, training programs offered for and/or with local businesses, partnerships with schools and colleges, the development of grants that support special programs, participation in regional education and business groups, coordination with other community colleges to encourage a full
array of offerings and to avoid duplication, partnerships and participation in workforce
development efforts, chambers of commerce memberships and many other individual and group
efforts.” (Page 6-7) The Educational Master Plan also indicates that the Physical Anthropology Lab (Anth 111) could be offered at SJC provided there is space and of course sufficient collections. “FACILITIES
The physical anthropology lab will move in with the Geography lab. By 2015, the department will need an additional office. TEACHING METHODOLOGIES The ratio of lecture to lab will likely change, with the use of lab time increasing from about 12% to 25% because of the physical anthropology lab” (Page 100) Purchasing these casts would help the SJC campus in accumulating sufficient materials for a possible lab class.

Section IV – Goals and Measurable Outcomes - 25 points possible

1.) Describe your goal(s) for this project (10 points). How will this improve student learning or enhance institutional services? For a review of goals, see pp. 18 – 20 of a presentation via this link.

The goals of this project are twofold. First to purchase casts that will be used in a successful exhibit at the Western Science Center where they will (along with additional materials and the expertise of our faculty) demonstrate scientific fossil evidence for human evolution. This will be done in a medium never used before within the boundaries of the MSJC district. The exhibit will demonstrate the partnership between MSJC & WSC in promoting scientific literacy in our community. It will also create a memorable experience that will allow exhibit visitors to connect the high quality exhibit with the College generally and the Anthropology Department specifically. The second goal, once the exhibit is over, is to add the purchased casts to the Anthropology Department collection to improve district-wide equity. Increasing the visual and tactile media for instruction, investigation, and learning about human evolution at all college locations will have the effect of increasing student success and engagement at those sites.

2.) What are the measurable outcomes for this RAP (5 points)? That is, how will progress toward meeting your goal(s) be identified and/or measured? Click here for learning outcome reference materials.

1. Purchase 27 primate and fossil casts 2. Use the skulls in the exhibit that will be collaboratively curated by MSJC faculty and Western Science Center staff. 3. Count the number of Western Science Center visitors who toured the exhibit. 4. Once the exhibit is over, move the casts to SJC primarily, or SGP or TEC, if needed. 5. Measure any change in student success rates in Anth 101 classes (both in terms of CLOs and overall Success Rates) at those sites once the casts have been incorporated into those collections.

3.) Explain how your outcomes are tied to your CLOs/PLOs/AUOs/SLOs (10 points).
As mentioned above, the outcome of improving student success in Anth 101 is directly linked to CLO #2 for Anth 101 “The student will analyze the hominid fossil evidence and apply that knowledge to an interpretation of human biological heritage.” And is also relevant to CLO#1 “The student will identify and recognize natural selection as a mechanism for evolutionary change.” Additionally, the purchase of these cast materials and the success in Anth 101 is directly linked to PLO #5 for the Anthropology Department “Student will be able to recognize the value of the archaeological and fossil records.”. The casts will also enhance PLO #1 “Student will use Natural Selection to explain hominid evolution”, PLO #2 “Student will analyze the interrelationship between humans and their physical environment,” and PLO #6 “Student will utilize the scientific method in observations of human attributes (biology, behavior, language, artifacts).”

**Section V – Implementation Plan - 15 points possible**

What are the steps that you will take or need to be taken to implement this proposal?

1.) Who is in charge of implementing the project (3 points)? Erik Ozolins

2.) What are the projected start and end dates (3 points)? We will begin purchasing casts in Spring of 2015, the exhibit will take place in 2016, and is slated to end by end of Fall 2016, and the casts will go to the classes by Spring of 2017.

3.) What other departments will need to assist to assist with the acquisition/implementation of the project (3 points)?

The only other department will be Business Services and Purchasing. Otherwise all other components can be handled by the Anthropology.

4.) When will the outcomes be measured (3 points)? The outcomes will be measured throughout the process. The purchase of the casts will be measured as we purchase the casts and develop the exhibit. The success of the exhibit will be measured throughout the length of the exhibit and again upon conclusion of the exhibit and the student success in Anth 101 once the casts have been deployed to those sites will be evaluated during the regular CLO assessment cycle and the ongoing Student Success analysis done by the Research Department.

5.) How will you measure the desired outcomes (3 points)? We will measure the outcome concerning purchasing the casts by determining how many casts will be purchased. If we are able to purchase 27 casts during this first RAP cycle, then this component of the RAP will have been successful. The exhibit outcome will be assessed upon completion of the exhibit. If the exhibit is completed, the casts are used and the MSJC faculty helped to curate the exhibit then this component of the RAP would have been successful. The second part of the exhibit component will be deemed successful if we have over 3000 visitors see the exhibit during the 6-8 weeks the exhibit is expected to be up. The student success outcome will be measured by assessing CLO #2 for Anth 101 and comparing the success rates to previous semesters for classes taught without the use of casts. If there is an increase of over 2% then
the RAP will be considered successful. We will also assess Student Success by looking at overall course Success Rates and if they rise 2% then the RAP will be considered successful.

Once you have completed this entire form, please mailto:programreview@msjc.edu

Section VI - Projected Expense Profile

1.) New Personnel Requests (This does NOT include full-time academic faculty positions)

(a) Position Title:

Estimated Cost:

1XXX Academic Salaries (Certificate): Click here to enter text.
3XXX Benefits: Click here to enter text.
Total Cost (add the two figures above): Click here to enter text.

(b) Position Title: Click here to enter text.

Estimated Cost:

1XXX Academic Salaries (Certificate): Click here to enter text.
3XXX Benefits: Click here to enter text.
Total Cost (add the two figures above): Click here to enter text.

(c) Position Title: Click here to enter text.

Please check one:

<table>
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<th>Ten-Month:</th>
<th>Eleven-Month:</th>
<th>Twelve-Month:</th>
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Hours per week: Click here to enter text.

Estimated Cost:

2XXX  Classified/Non-Academic Salaries: Click here to enter text.
3XXX  Benefits:          Click here to enter text.
Total Cost (add the two figures above):  Click here to enter text.

(d) Position Title: Click here to enter text.

Please check one:

| Ten-Month: ☐ | Eleven-Month: ☐ | Twelve-Month: ☐ |

Hours per week: Click here to enter text.

Estimated Cost:

2XXX  Classified/Non-Academic Salaries: Click here to enter text.
3XXX  Benefits:          Click here to enter text.
Total Cost (add the two figures above):  Click here to enter text.

(S1) Subtotal from New Personnel Requests: Click here to enter text.

2.) Non-Personnel Requests

For the object codes and titles below, please indicate the monetary amounts requested.

Object Code 4XXX
Supplies and Materials: 27 fossil hominin and primate casts. Amount requested: $8487.00
Supplies and Materials: Click here to enter text.. Amount requested: Click here to enter text.
Supplies and Materials: Click here to enter text.. Amount requested: Click here to enter text.

Object Code 5XXX
Services: Click here to enter text.. Amount requested: Click here to enter text.
Services: Click here to enter text.. Amount requested: Click here to enter text.
Services: Click here to enter text.. Amount requested: Click here to enter text.

Object Code 6XXX
New Equipment/Building or Site Improvements: Click here to enter text.
New Equipment/Building or Site Improvements: Click here to enter text.
New Equipment/Building or Site Improvements: Click here to enter text.

(S2) Subtotal from Non-Personnel Requests: $8487.00

Total Proposed Budget (sum subtotals (S1) and (S2) above): $8487.00

3. Secondary Effects (if this proposal is approved)

For personnel requests, what additional space, if any, is needed to accommodate this position? If so, where is the proposed location? Click here to enter text.

For equipment and technology requests, will additional space be needed to accommodate the requested equipment? If so, where is the proposed location? Material would be stored in Anthropology classroom or lab, initially at MVC during exhibit development and then at SJC or SGP/TEC.

Will requested equipment require maintenance agreements or support personnel? If so, what the projected costs? no

Please list future year anticipated needs and estimated financial needs. NOTE: This section refers to any anticipated funding not addressed by this RAP but required in the future. This will not be automatically funded. A new RAP must be completed in the future.

Fiscal Year: Click here to enter text. Anticipated need: Click here to enter text. Estimated amount: Click here to enter text.
Fiscal Year: Click here to enter text. Anticipated need: Click here to enter text. Estimated amount: Click here to enter text.
Fiscal Year: Click here to enter text. Anticipated need: Click here to enter text. Estimated amount: Click here to enter text.

Once you have completed this form in its entirety, please mailto:programreview@msjc.edu