



**Mountain Desert Economic Partnership**  
Regional Education and Economic Development

<p><b><u>MDEP Team Agendas - January 19, 2021</u></b>  <b>Team 2: 10:00am-11:30am</b>  <b>Team 1: 12:00pm-1:30pm</b>  <b>Team 4: 1:30-3:00pm</b>  <b>Team 3: 3:30pm-5:00pm</b></p>	<p><b><u>Meeting Location:</u></b>  Zoom  Email <a href="mailto:mdep@mdcareerpathways.com">mdep@mdcareerpathways.com</a> for meeting details if you don't have a calendar invite.</p>
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Agenda Items	Speaker(s)
I. Welcome and Introductions	Matt Wells/Chairs
II. Review of the day's MDEP work	Matt Wells/Chairs
III. Team-Specific Agendas	
Attendees: Eva Stacy Thomas H Andy Page Carrie O Christina Behringer Denise Pasley Crystal Nasio Elena Rivera Jessica Bails Jessica Swift Lisa Kiplinger Kennedy Matt  <p><b>a. Team 1: Innovation, Incubation, and Training</b></p> <ul style="list-style-type: none"> <li>i. Review of Entrepreneurship Panel kick-off <ul style="list-style-type: none"> <li>1. Open to anyone who is interested to join. Two panelists last time (third has last-minute conflict). Ask - still need additional panelists, such as founders of organizations in the area. Team is developing a document regarding what they are and are not looking for re: participants. Held every 2nd Wed of month, 4pm-5:30pm</li> </ul> </li> <li>ii. Plug for upcoming Entrepreneurship for Everyone</li> </ul>	Eva Bagg Thomas Hallin

1. Workshops - 3rd party providers providing workshops on 4th Tuesday of month evenings from 6pm-7:30pm
  2. Geared to existing, budding, startups, etc. on various topics focused on what community is in need of. Growth, scaling, marketing, etc. Subcommittee team will have a call with 3rd party providers to develop content for workshops
- iii. Discuss HS Entrepreneurship programs' connection to this work
1. Eva hoping to work on and develop/map out pipeline.
  2. What programs in entrepreneurship are there in the area?
  3. What exists in the pre-college pipeline?
  4. Thomas Hallin - Junior Achievement program been around for years. <https://jasocal.org/>
  5. Group discussed that entrepreneurship really is for everyone - it isn't just business management
  6. The mindset (entrepreneurial, design thinking, etc.) opens doors and creates opportunities.
  7. What are the assignments/projects that students get that drive students to develop the skill sets and experiences that support these mindsets?
  8. Shared link:  
<https://www.inc.com/tom-foster/how-kids-become=entrepreneurs.html>
  9. What speaks to young people? Short, 2-min attention grabbers that challenge them to think about something
  10. Somehow, we have to bridge better between Middle school, high school, and college faculty to work together to develop projects to build entrepreneurial skills
  11. Denise - would like to see cross discipline teachers come together to develop easy-to-implement projects that would see application of math, etc. - if so, experience would be even more transformative for students
  12. Crystal shared there may be some SWP Round 5 funding to compensate Middle School & High School teachers and College Faculty to engage in this type of work
  13. Thomas encouraged engaging businesses in this work to foster economic development, internship opportunities, summer jobs, etc.
  14. Let's solve some problems for our communities
  15. Innovation solutions for our communities
  16. Businesses can engage with students in long-term project with weekly/daily check-ins to facilitate this student growth
  17. ASU.edu & Michael Crowe - focus of work related to this on addressing local problems.
  18. CSUSB may have options and opportunities as well
  19. Eva - connect community college to K12 - link with the greatest opportunity

20. Virtual Enterprise - class comes up with a business, logo, CFO/CEO/etc., develops pitches, etc. Includes every aspect of starting a business. Could also do subgroups for different ideas. Some high schools have 2-3 teams and split off for other ideas. Teamwork component of this is very strong.
  21. La Sierra HS doing Virtual Enterprise in lieu of English
  22. Matt shared about some of the non-starter issues with PBL in the past (lack of networks for the teachers, lack of resources/playbook for teachers/business members to use so they aren't reinventing, looks like more work/not life easier)
  23. BCC working on Dual Enrollment/Concurrent Enrollment opportunities in this space which would be especially powerful for programs without an Entrepreneur in residence.
  24. Value proposition for teachers/students to engage in panelists
  25. Governance - marketing/education focus, monitor chat, find key content topics.
  26. Can use transcription to identify key words for summaries of sessions for teachers to drill down to content connectable to what's in their classroom
  27. Matt shared the programs that have video editing capacity to possibly connect to
- iv. GIA grant update and work towards Creative Confidence Measurement Tool
    1. Going to ask districts within county for volunteers interested in engaging with the Creative Confidence work
    2. Working to build network for mentors (recruiting, selecting, training, matching to 8th graders), etc. Core team is meeting twice per week. Every 2 weeks, broader stakeholder group meets. Peer group is k8 students, open for 7-9th.
  - v. BCC/VVC innovation/entrepreneurship center plans/dialogue
    1. BCC & VVC are both looking to retrofit existing facilities on the campuses to establish centers as soon as we can.
    2. Planning, resources, etc. in place, commitment there from both colleges to establish the space but unique approach for each.
    3. Eva shared she's never seen so much enthusiasm for a scope of work. Significant dedication to keeping a regional approach to this work.
    4. BCC has to be out their old state street area in June so ready to be moving back to main campus.
  - vi. Clubhouse a new program focused on conversations about various topics w/ a host, invited participants, etc.

<p>Next steps: Continue meeting with Carrie from MDCP and BCC regarding connections between programs. See if faculty/staff can identify how to engage in this work.</p> <p>Build marketing solutions and establish ways to get word out of the great work that's ongoing.</p> <p>Eva would love to cycle back with Denise, Crystal and Carrie to connect with collaboration that's ongoing.</p>	
<p><b>b. Team 2: 4-year Degree Access</b></p> <ol style="list-style-type: none"> <li>i. Plan to connect with newly inducted electeds to support the work</li> <li>ii. Review state of proposal - what needs to be revised?</li> <li>iii. Who else do we need to connect to become advocates?</li> <li>iv. Coordinate Team 2 representatives to visit Innovation Villages.</li> </ol> <p>Attendees: MDCP: Matt, Jessica, Carrie, Andy. Assemblyman Smith's office: Dillon Lesovsky (Chief of staff) Dave Olney, Team Chair Carmina Maust, Culture Plug Dan Walden, VVC Fal Asrani, VVUHSD Lori Mente, HUSD McKenzie Tarango, HUSD Orlando Acevedo, City of Apple Valley Shannon Shannon, Saddlerock Reverse Mortgage &amp; HD Chamber</p> <p>Notes: Matt conducted round robins and overview of other teams. David conducted review of efforts to date, including overview of the need (students leave the area for 4-yr degrees, build networks elsewhere and don't return. Team looking to enlist ongoing elected support for advocacy in their networks, but also feedback and guidance regarding what's going on statewide that we should know about Dan Shared that he thinks the best option is still to partner with a CSU and offer something they don't offer at their college but on the JC. Perhaps mechatronics, but need to offer a degree that is valuable to those who would be getting not, not something that's sufficiently covered at the Associates or below level. Dan - we need to push the envelope with CSUSB and Dr. Morales, but if there's no interest, we start shopping elsewhere. Dillon - What would the reservation be with a school like CSUSB to not partner like this? Dan shared that he's learned there isn't interest where there's still room to grow. However, there are impacted programs that may be an option. Schools may be protective of where they think it could negatively impact their main campus attendance. Somewhere</p>	<p>Dave Olney Ron Williams</p>

<p>like Northridge or Fullerton could be more open when there's not the concern of lost attendees.</p> <p>Dillon shared there's going to be a meet and greet between Smitty and Morales. It may be an opportunity to introduce this work and advocate for some options up here like at other colleges in the region.</p> <p>Orlando - shared he wants to support from the city of Apple Valley and wherever he can plug in. Shared that this conversation has happened before but not a widespread concerted effort like it looks like MDEP can be.</p> <p>Dave shared we should be cognizant of addressing some of the hesitance to engage with the HD from outdated mindsets of what the HD was 20-30 years ago.</p> <p>Everyone agrees STEM should be our initial focus, including medical and sciences.</p> <p>Went through cover options - Version 2 with colors MDEP logo outside the favorite.</p> <p>Brightline West - Update - hoping to move passengers by 2024. Hoping to break ground on construction by end of this year. Rail construction likely to start in 2021. Construction on station in Apple Valley 2021 likely. Maintenance facility (potentially 100 jobs - mechanics, engineers, etc.) in APV also. Expansion possible to Rancho Cucamonga. Los Angeles, ONT options to extend. Brightline meetings include folks like Rancho Cucamonga, etc.</p> <p>AV.town/train - more information on the rail, passenger service, entire project, etc. Includes overall economic impact for the region.</p> <p>Fostering the idea that this would be a huge economic boost and employment base.</p> <p>Logical extension of Brightline to Metrolink in Rancho Cucamonga may make more sense than connecting to Palmdale.</p> <p>To do -</p> <p>Carmina will update latest version and get it to Matt, who will distribute it to the team.</p> <p>Dave will connect with electeds (Rosalicie Ochia Bogh, Paul Cook, Scott Wilk)</p> <p>Dillon and Dave discussed coming up with a pitch deck.</p> <p><a href="mailto:dillon.lesovsky@asm.ca.gov">dillon.lesovsky@asm.ca.gov</a></p> <p>760-553-4286</p>	
<p><b>c. Team 3: Tiered Economic Opportunity</b></p> <ul style="list-style-type: none"> <li>i. Amatrol Update/Options</li> <li>ii. Webchats needs/plans upcoming</li> <li>iii. Apprenticeship Program redevelop towards Mechatronics</li> <li>iv. Teacher collaborations w/ Jeff's participation &amp; find additional representation to help if Jeff gets called away</li> </ul> <p>In attendance:</p> <p>Me</p> <p>Melissa</p> <p>Rick</p> <p>Stephanie Amato</p> <p>Frank</p> <p>Carrie</p> <p>Jessica</p> <p>Ryan</p> <p>Carol</p> <p>Joe Ray - Klein</p>	<p>Ryan Holman</p> <p>Jeff Dunagan</p>

## Notes - overview

Rick Radcliffe shared an overview of Amatrol and the Ignite program. Industry showing considerable interest in Ignite. Ignite is an advanced manufacturing solution designed with HS students in mind. Rick highlighted the Skill Boss instructional module/resource. ¼th of Amatrol (100 people/400) is dedicated to creating curriculum to go along with their modules. Around 60 different tasks can be taught/simulated/tested on this unit. They see a lot of connections between the content and mechatronics career paths.

Frank shared that they've been happy with the content, curriculum, certificates, etc. that are offered through Amatrol. Students have Amatrol accounts w/ certificates earned.

SACA - Smart Automation Certification Alliance - They have a lot of micro-credentials/certifications. [saca.org](http://saca.org). Unlike ASE which charges per person, a school pays to be a testing center and then the exams are free.

Rick recommended checking out Summit HS in Fontana for a state of the art setup CSM Fanuc robot series, etc., laser engraving, robot drill, conveyors,

Endorsements: Rockwell endorsement, Target interested, etc.

SACA has extensive member organizations

Ignite has lots of partner organizations as well

Joe Ray - Southern Regional Manager for Klein - there's an organization/network called America Makes of original manufacturer councils(?) who identified SACA as a key framework. Dept of Defense is looking at connecting manufacturing programs with work on military bases. This likely will start with Colleges, but potential for HS's. Will start with SACA members/participants. Check out Operation Next for more details. Potentially significant resources/investment from DoD to support this work. Lead organization on this is Lift

<https://aptmfg.com/products/csm/>

<https://amatrol.com/program/ignite-mastering-manufacturing/>

<https://www.opnextjobs.com/>

Ag meeting is the next meeting - ENG Gallo - wine company in the central valley.

Matt tried to share his concerns about possessing too much of the teacher collaboration content with a pitch of Amatrol/Ignite

Carrie shared the overview of the Skilled Trades upcoming sequence

Matt shared about the need for micro internships - [https://www.sbcrop.org/apps/pages/index.jsp?uREC\\_ID=1924871&type=d&pREC\\_ID=2098556](https://www.sbcrop.org/apps/pages/index.jsp?uREC_ID=1924871&type=d&pREC_ID=2098556)

Jeff proposed a subcommittee to explore micro internships options and how to support expansion. Carrie O’Neal and Stephanie Amato volunteered.

Jeff shared that the existing GA apprenticeship will be sunseting. However, there is desire to build out a mechatronics apprenticeship, potentially building off of LAUNCH Program’s mechatronics apprenticeship. Also, learnings from INUMA apprenticeship models.

Frank shared that both models are very strong and we couldn’t go wrong with either. Industrial Maintenance apprenticeship program is through INUMA.

INUMA & LAUNCH are both looking at instituting charging fees for participation.

Jeff shared that apprenticeships do cost a company a lot to participate and require a lot of skin in the game.

Plan of attack:

Get local educators to know who we are - like with Auto and Welding

Hope to inspire knowledge of educators re: benefit of mechatronics

Identify how to supplement mechatronics skillsets in the classrooms

Support webchats and microinternship

Learn more about IDNUMA and LAUNCH to consider where to go from there.

**d. Team 4: Essential skills**

- i. *Initial Thoughts and Notes:* We need the buy-in of the K12 and Sup’s to move this work forward.
- ii. 10th grade math the absolute floor discussion - how do we work with 6th-8th so students can be informed about pathways and develop finite skills
  1. Industry conversation clear about some geometry and algebra being foundational - measurement, volume, basic measuring tools, fractions hugely important (1/10 of a foot is not 1 inch)
  2. Are there resources we can find, develop, etc. and is there a use for that?
- iii. Explore “Why you need Algebra”-like solutions out there and technical reading support
- iv. How do we support students not in CTE pathways to develop skills around tools, plans, measurement, etc. or to select and participate in pathways?
  1. CTE students tend to be doing this quite well. But how do we catch/support the other students, too?
  2. How do we get the relevance to them? Canned programs never seem to work very well. Either teacher wasn’t

involved/bought into creation/implementation or the solutions don't have local ties.

v. How finely do we want to split this work?

Do we need a survey to do temperature checks (with industry, teachers, sup's, etc.)?  
How do we connect/align with apprenticeship programs around the region (closed, open, etc.)? - Skilled trades?

From foundational skills perspective - 10th grade math, read/identify terminology, content identification - need validation from partners?

Work with Jeff & identify Mechatronics side - two sets of measurement potentially, still gotta know math

Trenae - Any of our pathways, measuring, fractions, conversion, etc. - if this questions was posed to students at each of these levels, might get some small things that we could use now for some of the younger students? Teachers looking for resources and putting in lower grades for resources.

3 sets of skills we're trying to develop -

Carol gave an overview of STEMpalooza - expanded participation due to online platform. Lots of engaging ways for students to engage with industry and do projects with stuff they have laying around the house.

Carol shared about SB connect series with Transit in SBCTA bridge project - some of the most engaged teachers were not from CTE. We need to get people out of their silos, including CTE folks.

To Do:

Construction - should we verify list with other trades? Are there other sets we would add?

Essential Skills - at teacher collaborations

Foundational Skills - at teacher collaborations

Trenae/Tom/Matt connect - bring fleshed out idea back next time

Next Meetings: February 16, 2021