



Mathematics, Engineering, Science Achievement

Student of the Year Nomination, 2019-2020

At MESA Day, we will recognize a student from each school with a MESA Student of the Year Certificate and a gift. Please nominate a student that you feel embodies the 21st Century Learning and Innovation Skills listed below (feel free to use the examples from the next page in your nomination, if applicable):

1. **Creativity and Innovation**
2. **Critical Thinking and Problem Solving**
3. **Communication**
4. **Collaboration**

Name of MESA Student nominee: _____ Current Grade Level: _____

Name of Advisor nominating student: _____

Please provide a brief summary below about why this student deserves recognition (250 words max).

PLEASE E-MAIL OR FAX BY FRIDAY, APRIL 17

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Listed below are just a few ideas from the [P21 Partnership for 21st Century Learning](#) that may be helpful for you as you consider what to emphasize in the nomination form.

1. Creativity and Innovation

- Think Creatively
 - Use a wide range of idea creation techniques (such as brainstorming)
 - Create new and worthwhile ideas (both incremental and radical concepts)
 - Elaborate, refine, analyze and evaluate their own ideas in order to improve and maximize creative efforts
- Work Creatively with Others

- Develop, implement and communicate new ideas to others effectively
- Be open and responsive to new and diverse perspectives; incorporate group input and feedback into the work
- Demonstrate originality and inventiveness in work and understand the real world limits to adopting new ideas
- View failure as an opportunity to learn; understand that creativity and innovation is a long-term, cyclical process of small successes and frequent mistakes
- Implement Innovations - Act on creative ideas to make a tangible and useful contribution to the field in which the innovation will occur

2. Critical Thinking and Problem Solving

- Reason Effectively - Use various types of reasoning (inductive, deductive, etc.) as appropriate to the situation
- Use Systems Thinking - Analyze how parts of a whole interact with each other to produce overall outcomes in complex systems
- Make Judgments and Decisions
 - Effectively analyze and evaluate evidence, arguments, claims and beliefs
 - Analyze and evaluate major alternative points of view
 - Synthesize and make connections between information and arguments
 - Interpret information and draw conclusions based on the best analysis
 - Reflect critically on learning experiences and processes
- Solve Problems
 - Solve different kinds of non-familiar problems in both conventional and innovative ways
 - Identify and ask significant questions that clarify various points of view and lead to better solutions

3. Communication

- Articulate thoughts and ideas effectively using oral, written and nonverbal communication skills in a variety of forms and contexts
- Listen effectively to decipher meaning, including knowledge, values, attitudes and intentions
- Use communication for a range of purposes (e.g. to inform, instruct, motivate and persuade)
- Utilize multiple media and technologies, and know how to judge their effectiveness a priori as well as assess their impact
- Communicate effectively in diverse environments (including multi-lingual)

4. Collaboration

- Demonstrate ability to work effectively and respectfully with diverse teams
- Exercise flexibility and willingness to be helpful in making necessary compromises to accomplish a common goal
- Assume shared responsibility for collaborative work, and value the individual contributions made by each team member