



**SHAWNEE  
MISSION**

SCHOOL DISTRICT

# **57<sup>th</sup> Annual Research and Development Forum**

**May 2<sup>nd</sup>, May 3<sup>rd</sup>, and May 4<sup>th</sup>  
Thursday, Friday, Saturday**

**Career and Technical Education**

**Student, Parent and Teacher  
Career and Technical Education  
Information Booklet**



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SCHOOL DISTRICT

### District Administrators

**Dr. Mike Fulton**  
Superintendent

**Dr. Kenny Southwick**  
Deputy Superintendent

**Dr. Michelle Hubbard**  
Associate Superintendent  
Leadership and Learning

**Dr. Rick Atha**  
Associate Superintendent  
of Organizational  
Support

**Dr. Doug Sumner**  
Associate Superintendent of  
Human Resources

**Dr. Leigh Anne Neal**  
Assistant Superintendent  
of Early Childhood and  
Strategic Engagement

**Dr. Christy Ziegler**  
Assistant Superintendent of  
Personalized Learning /  
Interim Director of Special  
Education

**Dr. Ed Streich**  
Chief of Student  
Services

## Acknowledgments

The Research & Development Forum Guideline handbook was developed to help teachers guide students and parents through the Research & Development (R&D) process of preparing and entering a project in the Forum.

### R & D Forum Leadership Team

**Dr. Leigh Anne Neal**, Assistant Superintendent of Early Childhood and Strategic Engagement

**Dr. Ed Streich**, Chief Academic Officer

**Dr. Darren Dennis**, Director of Curriculum and Instructional Services

**Kim Barney**, Assistant Director of Curriculum and Instructional Services

**Dr. Dan Gruman**, Coordinator of Assessment and Research

**Dr. Ryan Flurry**, Principal of Career Education Campuses and Coordinator of Career & Technical Education

**David Smith**, Director of Communications

**Travis Gatewood**, Curriculum Coordinator

**Dr. Erin Smith**, Curriculum Coordinator

**Darcy Swan**, Curriculum Coordinator

**Kristin Zuck**, Curriculum Coordinator

**Joni Kelsey**, C&I Administrative Assistant

**Mary Hedrick**, CTE Administrative Assistant

**Tash Davis**, CTE Administrative Assistant

**Sherris Bury**, Administrative Assistant

**Mary Cooper**, Assessment Administrative Assistant

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## *Curriculum and Instruction Career and Technical Education Staff*

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## Shawnee Mission School District **RESEARCH AND DEVELOPMENT FORUM** May 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> Career and Technical Education General Information

The Research and Development Forum is a showcase of student project displays that illustrate the academic excellence of Shawnee Mission Schools. The entries represent middle and high school grade levels in the Career and Technical Education areas—Business, Family and Consumer Sciences, Industrial Technology, Teacher Education, PLTW-Engineering, and Health Science Careers.

### **Location:**

The R&D Forum is held at SM West High School, 8800 W 85<sup>th</sup> St, Overland Park, KS. Additional parking is available on the lower level on the south side of the building. Handicapped parking is available on both the upper and lower levels.

**Schedule:**

Exhibit Project Drop Off	Thursday	May 2 <sup>nd</sup>	4:00 – 6:30PM
Exhibit Project Drop Off	Friday	May 3 <sup>rd</sup>	7:00 – 2:00PM
Closed for judging by Industry Partners	Friday	May 3 <sup>rd</sup>	3:30 – 6:30PM
Interactives & Exhibits open for public viewing	Saturday	May 4 <sup>th</sup>	9:00 – 3:00PM
Awards Ceremony	Saturday	May 4 <sup>th</sup>	4:00 – 5:00PM
Entry pick-up	Saturday	May 4 <sup>th</sup>	4:00 – 5:00PM

**Project Set-up and Check-in:**

Students may set up project displays on Thursday, May 2<sup>nd</sup> 4:00 – 6:30PM and Friday, May 3<sup>rd</sup> from 7:00 – 2:00PM. All Career and Technical Education projects should be checked in at the registration desk on the Bridge.

**Project Pickup:**

Students are responsible for picking up all project entries on Saturday, May 4<sup>th</sup> between 4:00 – 5:00PM. Career and Technical Education entries that are not picked up will be stored at the CAA building located at 8200 W 71<sup>st</sup> Street and will be available for pick up on Monday, May 6<sup>th</sup> through Friday, May 10<sup>th</sup>.

**Copyright:**

- Students retain all rights to their projects. No project may be copied or photographed in any format without the direct consent of the student(s) submitting the project.
- All entries must include proper referencing and permission for use of copyrighted materials. Any violation of copyright laws is the student's responsibility. The Shawnee Mission School District shall not be held liable.

**Entry Procedures:**

- Online application for student projects will open Monday, March 4, 2019 and remain open to accept entries until April 12, 2019 at 3:00PM. Upon entry turn-in teachers will be sent additional instructions and then have until April 26th to submit their student applications to Dr. Dan Gruman.
- The student must be enrolled during the current school year in the appropriate Career and Technical Education course to be eligible to submit an entry.
- All projects submitted must be ***prejudged by the teacher*** using the appropriate criteria sheet provided by the Career and Technical Education office, with the exception of high school industrial technology projects. A group of teachers will judge submitted projects collaboratively.
- Each school selects exemplary projects for participation in the Forum.

**Security:**

The staff of the Shawnee Mission School District assumes NO responsibility for any project or exhibit. The Forum will be supervised by school staff and efforts will be made to protect projects, but security is NOT guaranteed.

### **Group Sizes:**

Each entry is classified according to the number of students involved in its creation.

- An entry by a single student is classified individual. Awards are received by that student.
- An entry submitted by two, three, or four students is considered a group project. Duplicate awards are given to each member of the group. All members of a group project may participate in the awards ceremony.
- An entry submitted by five or more students is considered a class project. A single ribbon, trophy or other award is given for the project. ***One student is designated to represent the class at the awards ceremony.***

### **Awards:**

Entries are judged according to established criteria for each category. Entries prejudged at the building level should meet the standard for a blue ribbon or red ribbon in order to be submitted to the Forum. Each entry is judged on its own merit. Late entries are eligible to be submitted for display.

R&D Forum entries may receive one of several types of awards including trophies, scholarships, gift certificates, field trip opportunities and/or ribbons based on the level of the awards. The decisions of the R&D Forum judges are final.

- **Regnier Award** – This is the highest award given in the R&D Forum. The award honors Mr. Vic Regnier and the Regnier family, the program benefactors. The award is selected from the Award of Distinction category.
- **Award of Distinction** – This award signifies superior quality, merit or skill. The quality of the entry must surpass the criteria established for grand awards.
- **Grand Award** – This award signifies truly unique achievement. Only blue ribbon recipients are considered for this recognition.
- **Blue** ribbon – Superior
- **Red** ribbon – Excellence
- **White** ribbon – Display only (participant)

### **Awards Ceremony:**

An awards ceremony will be held at the conclusion of the R&D Forum on Saturday, May 4, 2018 from 4:00 to 5:00PM in the Shawnee Mission West Auditorium. The awards ceremony is held to honor the winners of the Regnier Awards, Awards of Distinction, and Grand Awards. Winners are notified by telephone on Saturday morning. Students should dress appropriately to cross the stage during the ceremony to receive their award or trophy; there will also be an opportunity for pictures to be taken.

Category	Category Type	Category Name
<b>BUSINESS</b>		
120	Business Education	Digital Design Projects
121	Business Education	Digital Design Portfolios
161	Business Education	Animation – Game Creation
162	Business Education	Animation – 2 Dimensional
164	Business Education	Animation – 3 Dimensional
<b>FAMILY AND CONSUMER SCIENCES</b>		
212	Family & Consumer Sciences	Apparel Clothing Construction
225	Family & Consumer Sciences	Teacher Education Career Portfolio-Notebook
226	Family & Consumer Sciences	Teacher Education Career E-Portfolio
260	Family & Consumer Sciences	Interior Design Essentials Sketchpads
261	Family & Consumer Sciences	Interior Design Essentials Room Design
265	Family & Consumer Sciences	Interior Design Studio Total House Design
274	Family & Consumer Sciences	Food Presentation, Styling and Photography
Category	Category Type	Category Name
<b>HEALTH SCIENCE</b>		
291	Health Science	Research & Development
<b>INDUSTRIAL TECHNOLOGY</b>		
302	Industrial Technology	CO2 Car Competition Best Design
303	Industrial Technology	Projects in Industrial Technology
304	Industrial Technology	GTT – Design and Modeling
305	Industrial Technology	GTT – Automation and Robotics
313	Industrial Technology	Welding – Novice
315	Industrial Technology	Welding – Open/ Advanced
320	Industrial Technology	Wood Design – Novice Large (1 <sup>st</sup> year)
321	Industrial Technology	Wood Design – Novice Small (1 <sup>st</sup> year)
322	Industrial Technology	Wood Design – Open Large (2 <sup>nd</sup> year)
323	Industrial Technology	Wood Design – Open Small (2 <sup>nd</sup> year)
324	Industrial Technology	Wood Design and Fabrication (3 <sup>rd</sup> year)
325	Industrial Technology	Computer-Aided Manufacturing (4 <sup>th</sup> year)
328	Industrial Technology	Wood Turning Projects (1 <sup>st</sup> and 2 <sup>nd</sup> year)
329	Industrial Technology	Wood Turning Projects (3 <sup>rd</sup> and 4 <sup>th</sup> year)
331	Industrial Technology	Architectural Design 1 House Plans – Stills or Animation
332	Industrial Technology	Industrial Working Drawings & Plans with 3D Model
333	Industrial Technology	Industrial Design Animation
335	Industrial Technology	Architectural Design 2 – Stills or Animation
351	Industrial Technology	PLTW Engineering Design Novice
353	Industrial Technology	PLTW Engineering Design Advanced
360	Industrial Technology	Engineering Project Display



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