



# STEM GRANT

IDOE Excellence in STEM Award

West Lafayette Community School Corporation



# Inaugural Indiana Educational Excellence Awards Gala

- IDOE awarded \$4.21 million to celebrate progress and achievement in supporting student excellence and growth
- Excellence in STEM Award WLJSHS - Announced September 2022 (Access January 2023)
- Student (Engineering: Siya Goel, WLJSHS Class of 22) selected for the 2022 Governor's STEM Team
- Highest percentage of STEM course completions during 2021-2022
- ***Sustain and expand the school's current, impactful programming, support teachers who lead this work, drive innovative strategies through a community of practice***



# STEM Grant PD Proposal

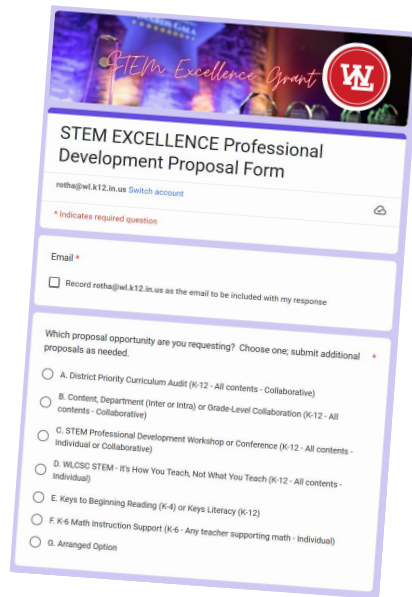
*Sustain and expand the school's current, impactful programming, support teachers who lead this work, drive innovative strategies through a community of practice.*

- All Professional Staff Invited
- Red Devils from 0-30+ Experience
- K-12 Classroom Teachers, Special Education Teachers, EL Teachers, Interventionists, Media Center Specialists, Counselors, Administrators
- No one-size-fits-all answer to teacher professional development - Varied Needs
- [Voice & Choice in Professional Development](#)
- Empower collaboration to magnify strengths
- Promote, honor & respect professionalism

# STEM Grant PD Proposal

*Sustain and expand the school's current, impactful programming, support teachers who lead this work, drive innovative strategies through a community of practice.*

- Proposal #1: February 10, 2023
- Proposal #175: August 18, 2023
- First PD: January 10, 2023
- Most Recent: Ongoing through 2023-2024

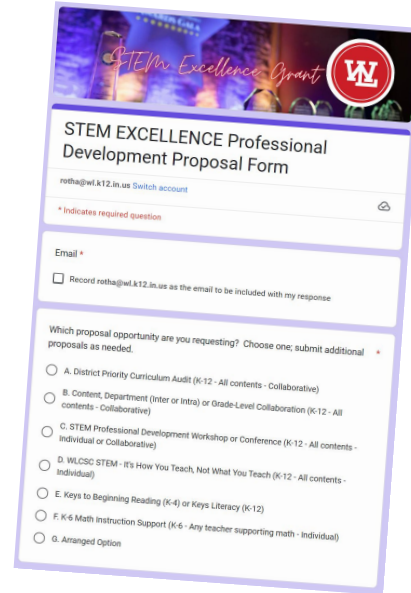


The image shows a screenshot of a Google Form titled "STEM EXCELLENCE Professional Development Proposal Form". The form header includes the "STEM Excellence Grant" logo and the Westfield State University (WSU) logo. The form is partially filled out, showing the email field with "rotha@wl.k12.in.us" and a checkbox for "Record rotha@wl.k12.in.us as the email to be included with my response". The question "Which proposal opportunity are you requesting?" is visible, with options A through G. Option A is "District Priority Curriculum Audit (K-12 - All contents - Collaborative)", B is "Content, Department (Inter or Intra) or Grade-Level Collaboration (K-12 - All contents - Collaborative)", C is "STEM Professional Development Workshop or Conference (K-12 - All contents - Individual or Collaborative)", D is "WLCSS STEM- It's How You Teach, Not What You Teach (K-12 - All contents - Individual)", E is "Keys to Beginning Reading (K-4) or Keys Literacy (K-12)", F is "K-6 Math Instruction Support (K-6 - Any teacher supporting math - Individual)", and G is "Arranged Option".

# Curriculum Audit

*Sustain and expand the school's current, impactful programming, support teachers who lead this work, drive innovative strategies through a community of practice.*

- 14 Proposals
- ~59 Teachers
- WLES Finished
- WLJSHS English Finished
- Media Specialists Finished
- Standards Re-Prioritization



The image shows a screenshot of a Google Forms survey titled "STEM EXCELLENCE Professional Development Proposal Form". The form header includes the "STEM Excellence Grant" logo and the WLJSHS logo. The respondent's email is "rotha@wl.k12.in.us". A legend indicates that an asterisk (\*) denotes a required question. The form contains an email field with a checkbox to include the email in the response. The main question asks "Which proposal opportunity are you requesting?" and provides seven radio button options (A-G).

STEM EXCELLENCE Professional Development Proposal Form

rotha@wl.k12.in.us [Switch account](#)

\* Indicates required question

Email \*

Record rotha@wl.k12.in.us as the email to be included with my response

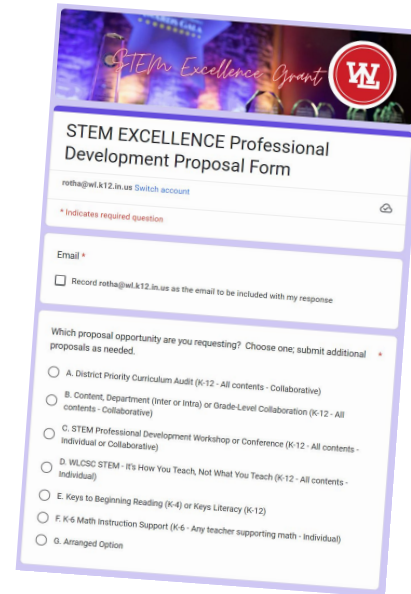
Which proposal opportunity are you requesting? Choose one; submit additional proposals as needed. \*

- A. District Priority Curriculum Audit (K-12 - All contents - Collaborative)
- B. Content, Department (Inter or Intra) or Grade-Level Collaboration (K-12 - All contents - Collaborative)
- C. STEM Professional Development Workshop or Conference (K-12 - All contents - Individual or Collaborative)
- D. WLCSO STEM - It's How You Teach, Not What You Teach (K-12 - All contents - Individual)
- E. Keys to Beginning Reading (K-4) or Keys Literacy (K-12)
- F. K-6 Math Instruction Support (K-6 - Any teacher supporting math - Individual)
- G. Arranged Option

# Content, Department, Grade-Level Collaboration

*Sustain and expand the school's current, impactful programming, support teachers who lead this work, drive innovative strategies through a community of practice.*

- 46 Proposals
- ~154 Teachers
- Vertical collaboration
- Grade level collaboration
- EL collaboration
- Special Education collaboration
- Inter and intra-departmental collaboration
- Course-focused



The image shows a screenshot of a digital form titled "STEM EXCELLENCE Professional Development Proposal Form". At the top, there is a banner with the text "STEM Excellence Grants" and a logo featuring the letters "WV" inside a red circle. Below the banner, the form includes a header with the title and a user email address "rotha@wl.k12.in.us" with a "Switch account" link. A note indicates that an asterisk (\*) denotes a required question. The form has an "Email" field with a checkbox option: "Record rotha@wl.k12.in.us as the email to be included with my response". The main question asks, "Which proposal opportunity are you requesting? Choose one; submit additional proposals as needed." and lists nine options (A through I) with radio buttons for selection. The options are: A. District Priority Curriculum Audit (K-12 - All contents - Collaborative), B. Content, Department (Inter or Intra) or Grade-Level Collaboration (K-12 - All contents - Collaborative), C. STEM Professional Development Workshop or Conference (K-12 - All contents - Individual or Collaborative), D. WLCS STEM - It's How You Teach, Not What You Teach (K-12 - All contents - Individual), E. Keys to Beginning Reading (K-4) or Keys Literacy (K-12), F. K-6 Math Instruction Support (K-6 - Any teacher supporting math - Individual), and G. Arranged Option.

# STEM Professional Development

*Sustain and expand the school's current, impactful programming, support teachers who lead this work, drive innovative strategies through a community of practice.*

- 46 Proposals
- ~154 Teachers
- Long Live Math
- AP Summer Institute
- STEM: It's HOW you teach, not what you teach K–12
- Mathematically Meaningful Instruction K-6
- Math Recovery
- IN-MAC Design Studio Training
- Hoosier Association of Science Teachers Conference
- Purdue Indiana STEM Conferences
- Gen Con - Education Strand

The image shows a screenshot of a digital proposal form titled "STEM EXCELLENCE Professional Development Proposal Form". At the top, there is a banner with the text "STEM Excellence Grant" and a circular logo containing the letters "WV". Below the title, the user's email "rotha@wl.k12.in.us" is visible with a "Switch account" link. A note indicates that an asterisk (\*) denotes a required question. The form includes an "Email" field with a checkbox for "Record rotha@wl.k12.in.us as the email to be included with my response". The main section asks, "Which proposal opportunity are you requesting? Choose one; submit additional proposals as needed." and lists seven options (A through G) with radio buttons for selection. Option A is "District Priority Curriculum Audit (K-12 - All contents - Collaborative)", B is "Content, Department (inter or intra) or Grade-Level Collaboration (K-12 - All contents - Collaborative)", C is "STEM Professional Development Workshop or Conference (K-12 - All contents - Individual or Collaborative)", D is "WILCSC STEM- It's How You Teach, Not What You Teach (K-12 - All contents - Individual)", E is "Keys to Beginning Reading (K-4) or Keys Literacy (K-12)", F is "K-6 Math Instruction Support (K-6 - Any teacher supporting math - Individual)", and G is "Arranged Option".

# WLCSC STEM Workshop

*Sustain and expand the school's current, impactful programming, support teachers who lead this work, drive innovative strategies through a community of practice.*

- ~30 Teachers K-12
- STEM: It's HOW you teach, not what you teach K-12
- IDOE STEM Cadre Training
- Inquiry & Project Based Learning
- Hands-on, Pragmatic



STEM EXCELLENCE Professional Development Proposal Form

roth@wl.k12.in.us [Switch account](#)

\* Indicates required question

Email \*

Record roth@wl.k12.in.us as the email to be included with my response

Which proposal opportunity are you requesting? Choose one; submit additional proposals as needed.

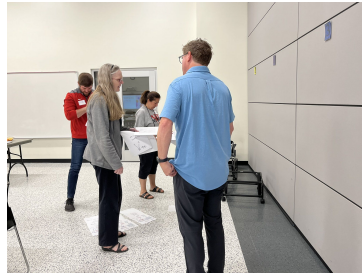
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- B. Content, Department (inter or intra) or Grade-Level Collaboration (K-12 - All contents - Collaborative)
- C. STEM Professional Development Workshop or Conference (K-12 - All contents - Individual or Collaborative)
- D. WLCSC STEM- It's How You Teach, Not What You Teach (K-12 - All contents - Individual)
- E. Keys to Beginning Reading (K-4) or Keys Literacy (K-12)
- F. K-6 Math Instruction Support (K-6 - Any teacher supporting math - Individual)
- G. Arranged Option



# WLCSC Math Workshop Series

*Sustain and expand the school's current, impactful programming, support teachers who lead this work, drive innovative strategies through a community of practice.*

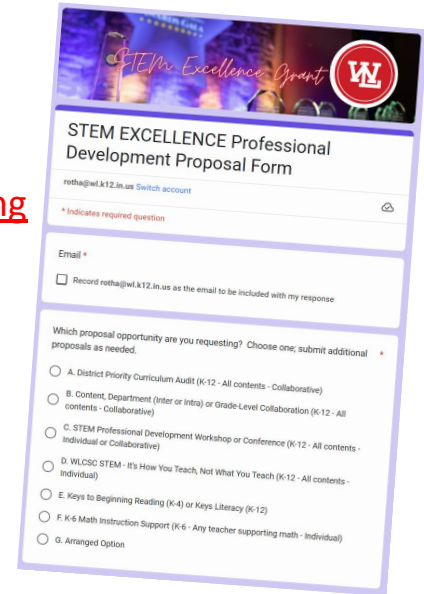
- ~35 Teachers & Administrators K-12
- Mathematically Meaningful Instruction K-6
- Year-Long Series, Research-Based PD Series
- Standards Re-Prioritization
- Hands-On, Pragmatic

A screenshot of a digital form titled "STEM EXCELLENCE Professional Development Proposal Form". The form includes a header with the "STEM Excellence Grant" logo and the WLCSC logo. Below the title, there is a user email field showing "roth@wlcsc.k12.in.us" and a "Switch account" link. A note indicates that an asterisk (\*) denotes a required question. There is an "Email \*" field with a checkbox option: "Record roth@wlcsc.k12.in.us as the email to be included with my response". The main question asks, "Which proposal opportunity are you requesting? Choose one; submit additional proposals as needed." and lists seven options (A-G) with radio buttons for selection. Option A is "District Priority Curriculum Audit (K-12 - All contents - Collaborative)", B is "Content, Department (Inter or Intra) or Grade-Level Collaboration (K-12 - All contents - Collaborative)", C is "STEM Professional Development Workshop or Conference (K-12 - All contents - Individual or Collaborative)", D is "WLCSC STEM- It's How You Teach, Not What You Teach (K-12 - All contents - Individual)", E is "Keys to Beginning Reading (K-4) or Keys Literacy (K-12)", F is "K-6 Math Instruction Support (K-6 - Any teacher supporting math - Individual)", and G is "Arranged Option".

# Science of Reading

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- ~40 Teachers & Administrators K-12
- [Keys to Literacy Series](#) K-12
- [Orton-Gillingham Training](#) K-6
- [Language Essentials for Teachers of Reading and Spelling Training](#)
- [Jamey Peavler](#) - WLIS Custom Training
- General Classroom, Special Education, Intervention Teachers



The image shows a screenshot of a web-based form titled "STEM EXCELLENCE Professional Development Proposal Form". The form header includes the "STEM Excellence Grant" logo and the WLIS logo. Below the title, there is a user email field "retha@wl.k12.in.us" with a "Switch account" link. A note indicates that an asterisk (\*) denotes a required question. The "Email" field is pre-filled with "retha@wl.k12.in.us" and has a checkbox option to "Record retha@wl.k12.in.us as the email to be included with my response". The main question asks, "Which proposal opportunity are you requesting? Choose one; submit additional proposals as needed." and lists seven options (A-G) with radio buttons. Option A is "District Priority Curriculum Audit (K-12 - All contents - Collaborative)", B is "Content Department (Inter or Intra) or Grade-Level Collaboration (K-12 - All contents - Collaborative)", C is "STEM Professional Development Workshop or Conference (K-12 - All contents - Individual or Collaborative)", D is "WLCSO STEM - It's How You Teach, Not What You Teach (K-12 - All contents - Individual)", E is "Keys to Beginning Reading (K-4) or Keys Literacy (K-12)", F is "K-6 Math Instruction Support (K-6 - Any teacher supporting math - Individual)", and G is "Arranged Option".

# Innovative Strategies & Communities of Practice

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- ~80 Teachers & Administrators
- Counselors - Executive Functions and Reading, Writing and Math, Teaching Social Brains, Practical Skills for Resilience and Regulation
- Media Center Specialists - Collection Development & AASL
- EL Teachers - Sheltered Instruction Observation Protocol
- Special Educators - Council for Exceptional Children Conference
- Administration - Leadership Academy, Healthy & High Performing School Culture
- K-12 CoP - Conscious Discipline Support for Behavior Management & Classroom Structures
- School Teams - Innovative Schools Conference (Culture, Climate, Discipline, Trauma-Informed Instruction) and Professional Learning Community Training

# STEM Grant Fast Facts!

- 175 teacher requests for professional development; the WLCSC employs approximately 160 teachers
- Involvement in professional development ranged from teachers in all content areas, all schools and all grade levels K-12
- 70+ of requests were for professional development outside of the regular school day, on the weekend or in the summer; our teachers do not like to miss a day with their students
- 80% of requests involved partners or teams of teachers working together; our teachers respect and uplift one another.
- Topics ranged from using games in teaching statistics to learning more about the science of reading instructional methods.
- September PD Day - Time to Share
- Ongoing PD through this year (Community of Practice and K-6 Math)

***NEXT: Equipment, supplies and resource for STEM classes and learning  
(Spring 2023 through Summer 2024)***