

STUDENT REGISTRATION FORM

STEMF 2010

All Registration Forms must be originals. All Forms can be downloaded on our website at www.tougaloo.edu/STEMFair Please keep copies of all forms. Please print legibly. Completed Registration Form Submission Deadline: March 26, 2010.

1. TITLE OF PROJECT _____

2. CATEGORIES (CHECK ONLY ONE CATEGORY)

- 0100 Biological Science 0400 Computer Science & Cyber Security
 0200 Chemistry & Biochemistry 0500 Mathematics
 0300 Earth & Space Science 0600 Physics & Pre-Engineering

3. BRIEF SUMMARY/ABSTRACT (CHECK ONLY ONE CATEGORY)

- I am submitting one copy of my abstract with this registration form now.
 I am submitting a brief summary now and will be submitting my abstract electronically by 03/31/10.

4. STUDENT'S NAME _____ Male Female Grade _____

Address _____

City _____ State _____ Zip _____

Parent/Guardian Name _____ Phone () _____

Student's birth date _____ Student's email address _____

5. SPONSORING SCHOOL & TEACHER or PARENTS

**A teacher from the student's school must act as a sponsor. For nonparticipating schools, students may have a parent/adult sponsor.*

Teacher/Parent's Name _____ Email _____

School Name _____ School District _____

Teacher's School Phone _____

6. CERTIFICATION

We certify that this student's project/exhibit is entirely the work of the student only. We agree that all judges' decisions are final and non-negotiable. We agree to abide by the rules of the STEMF 2010, and understand this project can be disqualified for any violations. We understand research plans, abstracts, exhibits or photos of the student may be published.

Student's signature: _____ Parent's signature: _____

Teacher's signature: _____

- I have read, understand, and agree with the rules and regulations. (See attached forms)

7. REGISTRATION FEES (CHECK ONLY ONE CATEGORY)

- My registration fees of \$5.00 for STEM Fair 2010 have been submitted to the sponsoring Teacher.
 My registration fees of \$5.00 for STEM Fair 2010 is being attached as a Money Order.

8. PLEASE CHECK ALL APPLICABLE

- My project display would require Electric Connections.
 My project display would require Gas Connections.
 My project display would require Water Connections.
 My project involves hazardous (biological, chemical, others) materials (please see rules & regulations).
 Others, please specify.

9. MAIL/FAX TO:

Tougaloo College STEM Fair 2010
Natural Science Division
500 West County Line Road
Tougaloo, MS 39174

Contact: Ms. Nicole Harris
Phone: 601-977-7794
Fax: 601-977-7898
E-mail: pbiswas@tougaloo.edu

2010 Tougaloo College Science Mathematics Engineering and Technology (STEM) Fair

Middle School Rules and Regulations for Grades 6-8

Registration Begins: February 15, 2010

Deadline: March 15, 2010

The Key Teacher at each school has agreed to assume responsibility, along with student exhibitors, to comply with the rules set forth in this document. The Middle School fair is open to all students in grades 6-8.

Middle School Registration

Class I- Team Projects, Class II –Grade 6, Class III – Grades 7-8

- Students in grades 6-8 must submit a **Registration Form and an Abstract (Summary)**. The Tougaloo College STEM fair registration form **MUST** have the signatures of the exhibitor, exhibitor's parent and sponsoring teacher.
- Additional forms are **required** for students performing research involving the following: **Human Subjects** (Human Subject Form-4 required), **hazardous chemicals, activities and devices** (Risk Assessment Form– 3 required), **vertebrate animals** (Vertebrate Animal-Form 5) and **Human and Vertebrate Animal Tissue-Form 6)**. These forms must be completed and submitted with the student's registration. See attachments
- A registration fee of \$5 per student is required to participate in the Tougaloo College STEM Fair. Each school should submit only CASH, SCHOOLCHECK OR MONEY ORDER for all registration fees. Individual exhibitors from non-participating schools should submit fees in cash or by money order. **No personal checks will be accepted.** Registration fees should be mailed to: **Tougaloo College STEMF, Attn: Barbara Powell, Natural Science Division, 500 West County Line Rd., Tougaloo, MS 39174.** Checks or money orders should be made payable to: **TC STEMF.** Fees paid on site should be delivered to Mrs. Nicole Harris, Kincheloe Science Hall, Room 112 .
- **Middle School projects involving human subjects are limited to questionnaires pre-approved by school officials.*** When students conduct questionnaires, the students, their parents, and the school are responsible for protecting the rights and welfare of the participating human subjects. The school **MUST** monitor administration of all questionnaires; seeing that all legal requirements are met and that informed consent forms are used for any subjects less than 18 years of age. All informed consent forms (Form 4) **MUST** be available with the project during judging. One Form 4 **MUST** be attached to the registration. See attachment.
- The 1st, 2nd, and 3rd place exhibitors (grades 6-8) will receive an award. A 1st place overall winner will be selected from all 1st place winners in Grade 8.

Middle School Project Requirements

- Maximum display dimensions are as follows: 76 cm (30 in) deep; 122 cm (48 in) wide; 274 cm (108 in) high, including table. Table height should not exceed 91 cm (36 in). **Tables will be provided.**
- Electricity is available for projects. However, the box “**Need Electricity**” must be checked on the registration form in order for electricity to be provided. **The exhibitor should bring an extension cord.**

**Specific federal laws that attention should be paid to are as follows: 1) CFR, Title 45(Public Welfare), Part 47-Protection of Human Subjects (45CFR47); 2) CFR, Title 45(Public Welfare) Part 5b-Privacy Act Regulations (45CFR5b); and 3) Public Health Service Act 42 U.S.C., S241 (d) (Protection of Privacy of Individuals who are Research Subjects). These documents are available from the Office for Protection from Research Risks, National Institutes of Health, Bldg 31 Room 5B63, 9000 Rockville Pike, Bethesda, MD 20892.*

Tougaloo College STEM Fair forms can be found at: www.tougaloo.edu/stemfair

For additional information contact Dr. Pradip Biswas (601)977-7788 or Ms Barbara R. Powell (601)977-7779.
Or e-mail pbiswas@tougaloo.edu

2010 Tougaloo College Science, Technology, Engineering and Mathematics (STEM) Fair

High School Rules and Regulations for Grades 9-12

Registration Begins: February 15, 2010

Registration Deadline: March 15, 2010

The Key Teacher at each school has agreed to assume responsibility, along with student exhibitors, to comply with the rules set forth in this document. The High School fair is open to all students in grades 9-12.

School Registration

Class IV - Grades 9 and 10, Class V - Grades 11 and 12, Team Projects (*Grades 9-12 Only*)

- ❖ Students in grades 9-12 must submit an **Registration Form and an Abstract**. The Tougaloo College STEM fair registration form **MUST** have the signatures of the exhibitor, exhibitor's parent and sponsoring teacher.
- ❖ Additional forms are **required** for students performing research involving the following: **Human Subjects*** (Human Subject Form-4 required), **hazardous chemicals, activities and devices** (Risk Assessment Form- 3 required), **vertebrate animals** (Vertebrate Animal-Form 5) and **Human and Vertebrate Animal Tissue-Form 6**). These forms must be completed and submitted with the student's registration. See attachments.
- A registration fee of \$5 per student is required to participate in the Tougaloo College STEM Fair. Each school should submit only CASH, SCHOOLCHECK OR MONEY ORDER for all registration fees. Individual exhibitors from non-participating schools should submit fees in cash or by money order. **No personal checks will be accepted**. Registration fees should be mailed to: **Tougaloo College STEMF, Attn: Barbara Powell, Natural Science Division, 500 West County Line Rd., Tougaloo, MS 39174**. Checks or money orders should be made payable to: **TC STEMF**. Fees paid on site should be delivered to Mrs. Nicole Harris, Kincheloe Science Hall, Room 112.
- ❖ The 1st, 2nd, and 3rd place exhibitors (grades 9-12) will receive an award and are automatically eligible for review for Best of Fair. A 1st place overall winner will be selected from all 1st place winners in Grade 12.

High School Project Requirements

- ❖ Maximum display dimensions are as follows: 76 cm (30 in) deep; 122 cm (48 in) wide; 274 cm (108 in) high including table. Table height should not exceed 91 cm (36 in). **Tables will be provided**.
- ❖ Electricity is available for IV, and V and VI projects. However, the box "Need Electricity" must be checked on the registration form in order for electricity to be provided. **The exhibitor should bring an extension cord**.

NOTE: When students conduct questionnaires, the students, their parents, and the school are responsible for protecting the rights and welfare of the participating human subjects. The school **MUST** monitor administration of all questionnaires; seeing that all legal requirements are met and that informed consent forms are used for any subjects less than 18 years of age. All informed consent forms (Form 4) **MUST** be available with the project during judging. One Form 4 **MUST** be attached to the registration with all other required forms.

* *Specific federal laws that attention should be paid to are as follows: 1) CFR, Title 45(Public Welfare), Part 47-Protection of Human Subjects(45cfr47); 2) CFR, Title 45(Public Welfare) Part 5-Privacy Act Regulations (45CFR5b); and 3) Public Health Service Act 42 USC, S 241 (d)(Protection of Privacy of Individuals who are Research Subjects). These documents are available from the Office of Protection from Research Risks, National Institutes of Health, Bldg 31 Room 5B63, 9000 Rockville Pike, Bethesda, MD 20892*

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For additional information contact Dr. Pradip Biswas (601)977-7788 or Ms. Barbara R. Powell (601)977-7779

Tougaloo College STEM Fair for All Projects
Abstract/Summary

This form must be complete and attached for each registration for students in grades 6-12.

Exhibitor's Name _____

Check Category of Exhibits:

0100 Biological Science

0400 Computer Science & Cyber Security

0200 Chemistry & Biochemistry

0500 Mathematics

0300 Earth and Space Science

0600 Physics and Pre-Engineering

Project Title _____

School Name _____

The abstract should be a one page explanation of the project including the purpose, procedure, results and conclusions. The abstract should NOT include acknowledgements or work done by a mentor.
