



Girls in Science Application Checklist

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**Send all materials in one envelope.
Return application materials in the order of this checklist.**



Girls in Science

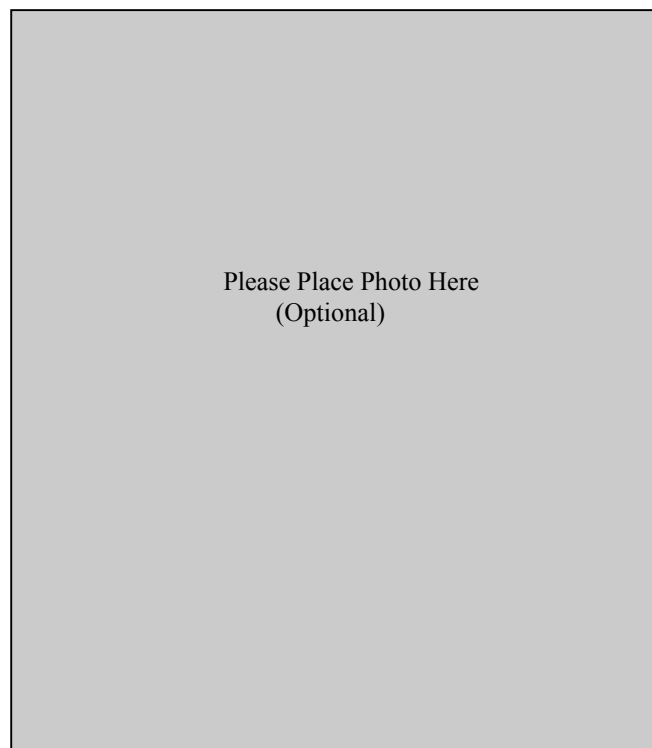
Application Materials

Instructions

1. Type or print in **black ink**.
2. **Please write your name at the top of each page**
3. Return all pages in the application, including pages is not used. Use additional pages as needed.
4. Applications must be signed by both the applicant and parent(s) or legal guardian.
5. Please include your 2 references with the application. At least one reference must be from school personnel.
6. Mail completed applications by:
March 20th, 2005
Girls in Science
Name of your School
Street Address
Anywhere, USA

Please indicate your 1st, 2nd, and 3rd choice for 2005 summer camp dates:

- _____ June 5th to June 10th
_____ June 12th to June 17th
_____ June 19th to June 24th



Name: _____

**Please complete all sections of the application with considerable thought and care.
This document should be completed by the student.**

APPLICATION FORM

Use Black Ink only

I. Personal Data

Date: _____

Name: _____
 Last **First** **Middle** **Name you are called**

Social Security # _____ **- Date of Birth:** _____

Mailing Address: _____
 Street **Apt #**

City **State** **Zip Code** **County**

Phone Number (_____) _____ **Race:** _____

Applicants' Email Address: _____

Parent's Email Address: _____

II. Family Information

Name of Parent(s)/Legal Guardian _____

Home Address _____
 Street **Apt#**

City **State** **Zip Code**

Home Phone (_____) _____ **Mother's Work Phone (_____)** _____

Father's Work Phone (_____) _____

Circle last grade completed by mother

Grade: 1 2 3 4 5 6 7 8 9 10 11 12

College: 1 2 3 4 +

Circle last grade completed by father

Grade: 1 2 3 4 5 6 7 8 9 10 11 12

College: 1 2 3 4 +

Total number of people in household _____

Family Yearly Gross Income: _____ **less than \$15,000**
 _____ **\$15,000 to \$29,999**
 _____ **\$30,000 to \$44,999**
 _____ **\$45,000 to \$59,999**
 _____ **\$60,000 or higher**

III. Education

Full name of the School you currently attend _____

Full name of the School you will be attending for the 6th grade _____

Please list all the schools you have attended.

Elementary:

Name	Address/Phone	Dates Attended
_____	_____	_____
_____	_____	_____

Middle School/Junior High School:

Name	Address/Phone	Dates Attended
_____	_____	_____
_____	_____	_____

Where do you rank in your class? _____ Top 10% Current GPA: _____
_____ Top 25%
_____ Top 50%

Please check your extra curricular activities:

- | | | |
|--|--|---|
| <input type="checkbox"/> Academic Team | <input type="checkbox"/> Art "Special Classes" | <input type="checkbox"/> Band-Middle School |
| <input type="checkbox"/> Band-High School | <input type="checkbox"/> Basketball Team | <input type="checkbox"/> Cheerleading |
| <input type="checkbox"/> Youth Group | <input type="checkbox"/> Choir/Chorus | <input type="checkbox"/> 4-H |
| <input type="checkbox"/> Future Christian Athletes (FCA) | <input type="checkbox"/> Gifted and Talented Program | <input type="checkbox"/> Girls Scouts |
| <input type="checkbox"/> Gymnastics Team | <input type="checkbox"/> Karate | <input type="checkbox"/> Peer Mediator |
| <input type="checkbox"/> Quick Recall Team | <input type="checkbox"/> Soccer Team | <input type="checkbox"/> Softball Team |
| <input type="checkbox"/> Speech Team | <input type="checkbox"/> Storytelling Club | <input type="checkbox"/> STLP |
| <input type="checkbox"/> Tennis Team | <input type="checkbox"/> Track Team | <input type="checkbox"/> Youth Leadership Program |
| <input type="checkbox"/> Jr. Beta/Beta Club | Other _____ | |

Please list any special awards received during your academic career: _____

Please list any leadership positions you have held: _____

IV. Hobbies/Interest: Please check all that apply.

	Archeology
	Art
	Badmitten
	Basketball
	Bicycle Riding
	Bird watching/identification
	Camping
	Cooking
	Dancing: _____
	Exercise
	Engineering
	Gardening
	Gymnastics
	Helping Others
	Hiking
	Internet and Computers
	Interior Design
	Journalism
	Karate
	Math
	Medicine
	Going to the Movies
	Painting
	Pets (Traditional, Exotic)
	Photography
	Playing Video Games (i.e. play station2, etc)
	Playing a musical instrument _____
	Physics
	Ping Pong
	Reading
	Research
	Running
	Science
	Sewing
	Sculpting
	Skiing
	Softball
	Spending Time with Family and/or Friends
	Spending Time with Elders
	Spending Time Outside
	Sports in general
	Tennis and/or Table Tennis
	Traveling
	Walking
	Watching T.V.
	Writing
	Yoga
	Other:

V. Community Involvement

In the space below, list up to three community organizations (civic, religious, social, athletics, political) in which you participate.

A. Organization Name: _____

Describe responsibilities: _____

B. Organization Name: _____

Describe responsibilities: _____

C. Organization Name: _____

Describe responsibilities: _____

VI. Personal Accomplishments

Briefly describe your most important accomplishment: _____

List any hobbies or special interests you have not listed above: _____

TEACHER RECOMMENDATION FORM

You will need two (2) references (at least one from a teacher). Completed recommendation forms should be placed in a sealed envelope with the references' signature placed across the seal. You will send all recommendation forms with your application.

Name of Applicant: _____

Name of Reference: _____

Address: _____

Occupation: _____ Phone: () _____

Describe your relationship with applicant, including length of relationship.

Briefly describe why you believe this applicant will benefit from 'Girls in Science' program.

Briefly describe applicant's personal characteristics/skills which will assist her in being successful with the 'Girls in Science' program. (Attach extra pages if needed.)

Please also respond by placing an X in the appropriate box:

	Exceptional	Above Average	Average	N/A
1. Ability with course work				
2. Completion of assignments				
3. Tenacity/persistence				
4. Communication skills				
5. Ability to relate to others				

Signature of Reference _____

Date

Your Teaching Relationship _____

ADDITIONAL RECOMMENDATION FORM

If your second recommendation is not from another teacher, it is not necessary for him/her to complete the box on the back page; however, a signature is required. Completed recommendation forms should be placed in a sealed envelope with the references' signature placed across the seal.

You will send all recommendation forms with your application.

Name of Applicant: _____

Name of Reference: _____

Address: _____

Occupation: _____ Phone: () _____

Describe your relationship with applicant, including length of relationship.

Briefly describe why you believe this applicant will benefit from 'Girls in Science' program.

Briefly describe applicant's personal characteristics/skills that will assist her in being successful with the 'Girls in Science' program. (Attach a letter if additional space is needed.)

Please also respond by placing an X in the appropriate box:

	Exceptional	Above Average	Average	N/A
1. Ability with course work				
2. Completion of assignments				
3. Tenacity/persistence				
4. Communication skills				
5. Ability to relate to others				

Signature of Reference _____

Date

Your Teaching Relationship (if applicable) _____

Full Name of School: _____ Telephone Number: _____

TO THE SCHOOL COUNSELOR/PERSONNEL

(This information must be completed by school personnel)

Below is a checklist of items needed to complete this students' application. Please fill in the information requested, provide copies of the items requested, and mail to the "Girls in Research" program. Please complete by **March 1st, 2005**. (A Student Records Authorization is found on page 15 of the application, "Parent/Guardian Acknowledgement of Application". Please obtain a copy from the student/parent).

- Copy of cumulative folder (to include grades and progress since entrance into school, K-5 at a glance)

What is the student's GPA for 5th grade? _____ 4th grade? _____

- Student's 4th or 5th grade ATTENDANCE information: (Please fill in the following)

of days missed _____ # of these days excused _____

If student missed an excessive number of days, please indicated why (if known): _____

- Copy of most recent test scores including CATS results, and other relevant testing (not more than three years old).**

- Conduct or behavior records (ASD, etc.) if applicable, from the last two years.

Please note any other records or information that may be relevant to the student's performance: _____

Signature of School Counselor/Personnel

Date

**Please attach copies of student's most recent CATS scores. We must have copies of
test scores in order for the application materials to be complete.**

PARENT/GUARDIAN ACKNOWLEDGEMENT OF APPLICATION

The purpose of “Girls in Research” is to encourage young women to pursue careers in the sciences.

I/We are aware that my daughter is applying to the ‘Girls in Science’ program as a participant. I/We understand that this program involves:

- ◆ One week of summer residence on the UK campus for the years, 2006 and 2007.
- ◆ Five Saturday educational programs during each of the school years 2006-2007 and 2007-2008. These programs may require driving to locations 1-2 hours away from our home.
- ◆ A long-term mentoring/helping relationship with a University of Kentucky faculty or graduate student and member of the local community and/or the scientific community. This is a helping relationship for the purpose of educating/encouraging the young women about possible careers in science.

I/We understand that should my daughter be accepted into this educational program that she would be participating for a three-year period to begin with the first summer session, June 5, 2005 through June 10th, 2005; June 12th, 2005 through June 17th, 2005; or June 19th 2005 through June 24th 2005. My daughter will live in the dorms for the entire one-week period. **I/We will not to remove my daughter from camp activities as this may cause disruption to scheduled programs (this includes early departure on the last day of camp).** There will be no cost to our daughter for meals or dorm room. Costs for Recreational/Cultural activities are covered by the program.

I/We are also aware that should my daughter be accepted into “Girls in Science”, she and I/We will be given specific instructions as to the rules and regulations of the “Girls in Science” program. I/We will be required to sign permission forms and to provide medical information regarding my daughter.

I/We understand that weapons/illegal drugs or alcohol of any type are not allowed, and anyone found with either will be dismissed from the program.

My daughter will receive a \$100 stipend at the end of each summer session. Upon completion of the three-year program, my daughter will be awarded a \$1,000 stipend to any college of her choice.

I/We hereby give my/our permission for _____ to release to the “Girls in
Name of School
Science” program, my child’s records including cumulative grades, achievement testing, and attendance and behavior records.

Mother/Guardian **Date**

Address

Phone

Father/Guardian **Date**

Address

Phone

How you think and feel about Science?

The following questions ask how you think and feel about science. Please read each item carefully, and put an X in the box which best describes you.

SA = Strongly Agree; A = Agree; N = Neither Agree Nor Disagree; D = Disagree; SD = Strongly Disagree

	SA	A	N	D	SD
1. I have a lot of self-esteem when it comes to science.					
2. For some reason even though I study, science seems usually hard for me.					
3. I'm not the type to do well in science.					
4. Generally I have felt secure about attempting science.					
5. I can get good grades in science.					
6. I'm no good at science.					
7. I think I could handle more difficult science.					
8. I don't think I could do advanced science.					
9. Most subjects I can handle O.K., but I have a knack for flubbing science.					
10. I am sure I can learn science.					
11. I am sure I can do advanced work in science.					
12. Science has been my worst subject.					
13. Females are good as males in science.					
14. It is hard to believe a female could be a genius in science.					
15. Studying science is just as appropriate for women as for men.					
16. When a woman has to solve a math problem, it is feminine to ask a man for help.					
17. I would have more faith in the answer for a science problem solved by a man than a woman.					
18. Girls can do just as well as boys in science.					
19. I would trust a woman just as much as I would trust a man to figure out important science calculations.					
20. Males are not naturally better than females in science.					
21. Girls who enjoy studying science are a bit peculiar.					
22. Women certainly are logical enough to do well in science.					
23. Biology is for men; general science is for women.					
24. I would expect a woman scientist to be a masculine type of person.					
25. I feel I do not have much to be proud of.					
26. All in all, I am inclined to feel that I am a failure.					
27. I feel that I have a number of good qualities.					
28. I feel that I am a person of worth, at least on an equal basis with others.					
29. I certainly feel useless at times.					
30. I wish I could have more respect for myself.					
31. I am able to do things as well as most people.					
32. At times I think I am no good at all.					
33. On the whole I am satisfied with myself.					
34. I take a positive attitude towards myself.					
35. Taking science is a waste of time.					
36. I'd need science for my future work.					
37. Knowing science will help me earn a living.					
38. Science is of no relevance to my life.					
39. Science will not be important to me in my life's work.					
40. I study science because I know how useful it is.					

41. Science is a worthwhile and necessary subject.					
42. I see science as a subject I will rarely use in my daily life as an adult.					
43. I'll need a firm mastery of science for my future work.					
44. I will use science in many ways as an adult.					
45. In terms of my adult life, it was not important for me to do well in science in high school.					
46. I expect to have little use for science when I get out of school.					

**How likely is it for men vs. women to do these jobs?
OCCUPATIONAL SCALE**

	Men Most Likely		Neither Men nor Women most likely			Women Most Likely	
Engineer							
Chemist							
Physician							
Systems Analyst							
Science Teacher							
Medical Technician							
Librarian							
Dental Hygienist							

How confident are you that you could successfully complete the following courses?

	How sure are you?									
	Completely Unsure					Completely Sure				
Education for:	1	2	3	4	5	6	7	8	9	10
1. Algebra										
2. Astronomy										
3. Biology										
4. Calculus										
5. Chemistry										
6. Computer Technology										
7. Geology										
8. Geometry										
9. Physics										

PARENT CONSENT TO PARTICIPATE IN A RESEARCH STUDY

University of Kentucky Medical Center

TITLE OF STUDY:

Girls in Science

INVESTIGATOR INFORMATION:

Carl Leukefeld, D.S.W.

Caroline E. Reid, M.S.W.

Mitzi Johnson, Ph.D.

I, _____, for my child, _____ have been asked to allow my child to participate in the research study under the direction of Dr. Leukefeld, Dr. Johnson, and Ms. Reid. Other professional persons who work with them as study staff may assist or act for them.

WHY IS MY DAUGHTER BEING INVITED TO TAKE PART IN THIS RESEARCH?

Your daughter is invited to take part in a research study about self-esteem, personality, science attitudes and achievement, career goals, role models, personal alcohol, tobacco and other drug use. Your daughter is invited to take part in this research study because we would like to learn more about how girls feel about themselves, science and how those feelings change over time and to evaluate Girls in Science program.

If your child is not selected for the program, her participation in the study will involve the completion and return of mailed surveys three times during the next six years. If your child is selected for the program, her participation in the study will involve the completion and return of surveys no more than eight times over the next six years.

WHO IS DOING THE STUDY?

The person in charge of this study is Dr. Carl Leukefeld of the University of Kentucky. There may be other people on the research team assisting at different times during the study.

WHAT IS THE PURPOSE OF THIS STUDY?

The purpose of this study is to learn more about how girls feel about themselves, science and how those feeling change over time. The questions ask about self-esteem, science achievement, science knowledge, attitudes toward science, career goals, sex-role/occupational stereotypes, role models, and personal alcohol, tobacco or drug use.

WHERE IS THE STUDY GOING TO TAKE PLACE AND HOW LONG WILL IT LAST?

The research procedures will be conducted at the University of Kentucky, College of Behavioral Science. During the course of the study, the following will occur: Your child will be asked to complete the mail survey that is included with the application materials, but that this survey will not be considered in the selection process. Girls who apply, and are selected to participate in the program, will come to the University of Kentucky campus for a weeklong Summer Institute for three years. Participants will have completed the 6th grade and will be involved in the program until the completion of the 8th grade. The Girls in Science program selection criteria will include: academic achievement, especially in science and math; participation in extra-curricular activities; participation in community volunteer activities; ability to articulate a career goal; ability to discuss how they might benefit from the program; and strength of personal references.

If your child is not selected for the program she will be contacted by phone three times during the next six years about an upcoming survey that will be mailed to her. Then, when the survey arrives at her home, she will complete the survey and return it in the pre-stamped and addressed envelope provided. Your child may also receive reminders to return the survey. Additional phone calls and follow-ups may be made if she has not returned the survey within a set period of time. Each survey will take approximately 30 minutes to complete. Topics to be covered in the survey include: self-esteem, science knowledge, attitudes toward science, career goals, sex-role stereotypes, occupational stereotypes, role models and personal alcohol, tobacco or other drug use.

ARE THERE REASONS WHY MY DAUGHTER SHOULD NOT TAKE PART IN THIS STUDY?

There are no reasons why your daughter should not participate in this study. The questionnaires filled out in the application will not be used as part of the selection criteria. She will not have to complete the questionnaire if she does not want to, and she can skip any question if she feels she cannot answer it.

WHAT ARE THE RISKS/DISCOMFORTS?

The only risks to my child are the potential discomfort she may experience in answering questions about herself and various attitudes and feelings she may have. Your child does not have to complete the questionnaire if she does not want to, and can skip any question if she does not wish to answer.

WILL MY DAUGHTER BENEFIT FROM TAKING PART IN THIS STUDY?

The benefit from your child participating in this study may be to help program administrators, mentors, and people who are involved in public policy and education better understand processes leading to more women being involved in science careers. Your child will receive \$75 if she completes the mailed questionnaires and if she is not selected for the program. However, if your child is accepted to the program, she will not receive monetary compensation for filling out the questionnaires because she will receive a stipend and other program benefits. There may be no benefit resulting from your child’s participation in this study.

DOES MY DAUGHTER HAVE TO TAKE PART IN THE STUDY?

If your daughter decides to take part in the study, it should be because she really wants to volunteer. She can stop at any time during the study and still keep the benefits and rights she had before volunteering.

IF MY DAUGHTER DOES NOT WANT TO TAKE PART IN THE STUDY, ARE THERE OTHER CHOICES?

If your daughter does not want to be in the study, there are no other choices except not to take part in the study.

WHO WILL SEE THE INFORMATION THAT MY DAUGHETER GIVES?

We will keep private all research records that identify your daughter to the extent allowed by law. We will obtain a certificate of confidentiality from the granting agency. Your child’s name and other identifying information (Social Security number, address) will not be placed upon her research records. Only a research number will be placed on her records. Your child’s name, address, Social Security Number and research number will be placed in one place that will be locked at all times except when being used by select study staff. Your child’s identity will remain confidential unless disclosure is required by law. Someone from the National Science Foundation or the University of Kentucky may look at or copy pertinent portions of records that identify you.

WILL YOUR DAUGHTER BE COMPENSATED IN CASE OF INJURY?

In the very unlikely event of psychological/emotional injury resulting from the research procedures, no form of compensation (i.e., payment) is available from the University of Kentucky or the Federal Government. Treatment may be provided at my own expense or at the expense of my health care insurer (e.g., Medicaid, or Blue Cross/Blue Shield) which may or may not provide coverage. If I have questions, I should contact my insurer.

WILL MY DAUGHTER RECEIVE ANY REWARDS FOR TAKING PART IN THIS STUDY?

If your child is not selected for the program, she will receive approximately \$75 for her participation in this study according to the following schedule: She will receive \$25 for the first questionnaire that she returns after the application process is complete, plus \$25 if she returns the second questionnaire and \$25 if she returns the third questionnaire. However, if your child is accepted to the program she will not receive monetary compensation for filling out the questionnaires because she will receive a stipend and other program benefits.

CAN MY TAKING PART IN THE STUDY END EARLY?

If your daughter decides to take part in the study she still has the right to decide at any time that she no longer wants to continue. She will not be treated differently if she decides to stop taking part in the study. The individuals conducting the study may need to withdraw your daughter from the study. This may occur if she is not able to follow the directions they give her, if they find that her being in the study is more risk than benefit to her, or if the agency funding the study decides to stop the study early for a variety of scientific reasons.

WHAT IF I HAVE QUESTIONS?

If you have questions about this research procedure, you may call Dr. Carl Leukefeld or Dr. Mitzi Johnson. If you have any questions about your daughter’s rights as a research subject, you may call the Office of Research Integrity toll-free at 1-866-400-9428.

SIGNATURES:

I understand my child’s rights as a potential research subject and voluntarily consent to allow my child to participate in the research. I understand what the research is about and why it is being done. I will receive a signed copy of this consent form.

_____ Parent Signature	_____ NAME PRINTED	_____ DATE
_____ Name of person providing information to subject		_____ DATE
_____ Principal Investigator		

ASSENT TO PARTICIPATE IN A RESEARCH STUDY
University of Kentucky Medical Center

TITLE OF STUDY:

Girls in Science

INVESTIGATOR INFORMATION:

Carl Leukefeld, D.S.W.
Caroline E. Reid, M.S.W.
Mitzi Johnson, Ph.D.

WHY AM I BEING INVITED TO TAKE PART IN THIS RESEARCH?

I _____, understand I am being asked to participate in a research study that will help the investigator learn about how girls my age feel about themselves and about science. I understand that I am being asked to fill out a questionnaire at home and return it separately from my application.

WHO IS DOING THIS STUDY?

The person in charge of this study is Dr. Carl Leukefeld of the University of Kentucky. There may be other people on the research team assisting at different times during the study.

WHAT IS THE PURPOSE OF THE STUDY?

The purpose of this study is to learn more about girls and their attitudes about science. The questions ask about self-esteem, science self-efficacy, science knowledge, attitudes toward science, career goals, sex-role stereotypes, occupational stereotypes and role models.

WHERE IS THE STUDY GOING TO TAKE PLACE AND HOW LONG WILL IT LAST?

The research will be conducted at the University of Kentucky, Behavioral Sciences Department. If I agree to participate I may be asked to participate by answering future questions similar to the ones here regardless of whether I am accepted to participate in the program or not. I will be given no more than eight questionnaires over the course of five years.

WHAT WILL I BE ASKED TO DO?

I will be asked to fill out a series of questionnaires. All answers will be kept totally secret. I will be identified by code number and not by name. My name will be physically separated from my application right after I finish reading these instructions. In addition my name will be separated from my questionnaire when the *Girls in Science* program receives the questionnaires. The answers I give will never be released, and only general answers for larger groups will ever be reported. Neither I, my teachers, my parents, nor anyone else will be able to see the results of my questionnaire after I turn it in.

ARE THERE REASONS WHY I SHOULD NOT PARTICIPATE IN THIS STUDY?

There are no reasons why I should not participate in this study. The questionnaires filled out in the application will not be used as part of the selection criteria. I do not have to complete the questionnaire if I do not want to, and I can skip any question if I feel I cannot answer it. There are no right or wrong answers to the questions. I understand though that the more complete and honest my answers are, the better they will accurately represent girls like me. And no one will know what my answers are.

Student Signature

Date

Principal Investigator