

# HUMAN SUBJECTS RESEARCH APPLICATION

Brenau University  
Institutional Review Board  
School of Health and Science

## Check One

New Application:

Resubmission:  Revision  (All changes must be highlighted)

One Centennial Circle  
Gainesville, Georgia 30501  
(770) 718-5304

Applying for Exempt review (see guidelines)

Applying for Expedited review (see guidelines)

NOTE: Application must have a Brenau e-mail address.  
All communication will occur via e-mail.

MAIL 7 COPIES ( 2 copies for expedited review) OF APPLICATION TO ABOVE ADDRESS 4-6 weeks prior to start date

Dr.  Mr.  Ms.

Dr.  Mr.  Ms.

Faculty  Undergraduate  Graduate

Faculty  Undergraduate  Graduate

### Nancy Teacher

Name of Principal Investigator

n/a

Soc. Sec. No.

(if project is grant affiliated)

Name of Co-investigator(s)

Soc. Sec. No.

(if project is grant affiliated)

### Education /

Brenau Department AND Brenau e-mail address

Brenau Department AND Brenau e-mail address

1313 Mockingbird Lane, Gainesville, GA 30501

Mailing Address (if you prefer not to receive mail in dept.)

8:00 a.m. - 5:00 p.m. Phone Number (s)

770-555-1313

Phone Number (s)

teacher@lib.brenau.

E-Mail (REQUIRED)

Phone Number (s)

E-Mail

\*\*Signature of Principal Investigator

Signature of Co-investigator (s)

### Brenau Faculty

Advisor:

Dr. Hazel S. Katz

Name

Education

Dept.

Building

770-555-1212

Phone No.

\*\*Signature:

Soc. Sec. No.:

(if grant affiliated)

Date:

\*\*Your Signature indicates that you accept responsibility for the research described in this application.

If funded: N/A

\*\*\*Sponsored Programs Proposal#

Name of Funding Agency

\*\*\*By listing a proposal number, you agree that this application matches the grant application and that you have disclosed all financial conflicts of interest (see Q6a)

TITLE OF RESEARCH:

The Educational Affects of Implementing an After-School Program

Start Date:

August, 2004

(Must be 4-6 weeks after date of submission to IRB)

End Date:

June, 2005

(Approval is granted only for a year at a time)

Check all that apply:

Deception  Illegal Activities  Minors  Pregnant Women/Prisoners

Data Sets  Bio Medical  (describe) N/A

## HUMAN SUBJECTS RESEARCH APPLICATION

1. **PROBLEM ABSTRACT:** *State rationale and research question or hypothesis (why is this study important and what do you expect to learn?).*

### Rationale

There have been an increasing number of students who have not mastered the standards set forth by our local/state school systems. This can be seen in the number of students unable to pass the CRCT as well as other standardized testing, and daily classroom performance. Additional instruction must be provided for these students.

In this study, there will be a total of 18 participating students. Eight students will attend the after-school tutorial program. Ten students will return home to their parent after school. This study will examine if there is a greater increase in homework, confidence, and test performance in one group than the other.

### Hypothesis

Students who receive after-school tutorial provided by the school will show significant improvement in their academic studies than those who do not.

Students participating in tutorial programs will develop increased confidence in their academic ability than those who do not.

### Learning Expectation

The learning expectation of students is that they:

1. Turn in homework consistently and that it is correct.
2. Increase daily and test grades.
3. Improve mathematics post test performance.
4. Improve language arts post test performance.

2. **RESEARCH DESIGN:** *Identify specific factors or variables, conditions or groups and any control conditions in your study. Indicate the number of research participants assigned to each condition or group, and describe plans for data analysis.*

### Research Participants

The number of participants in the first group is eight children (5 boys and 3 girls). They attend the school's after-school tutorial program. The second group consists of ten children, (7 girls and 3 boys). They will not participate in the after-school tutorial program.

### Factors/Conditions of the Study.

There are three factors of this study. First, the population of students used will not be randomly selected. Second, the number of students participating in this study will be limited to the teacher/researchers' first grade classroom. Thirdly, the makeup of the class may not remain consistent throughout the school year.

### Data Analysis

The teacher will document students' progress by completing the following steps:

1. Each student will have an individual progress sheet to chart his or her academic progress.
2. The teacher will distribute a pre/post math test at the beginning/end of the study. (Any County's Pre-Test for Mathematics-DCPM). The score that students receive will be documented on the student's individual progress sheet.
3. The teacher will distribute a language arts test (Spotlight on Literacy). This test will

- be given to students at the beginning/end of the study.
4. All participants will complete a confidence survey. This survey will given at the beginning and end of the research time period.
  5. Student's progress will be continually monitored throughout the research period by weekly/monthly spelling and mathematics unit test. It is the researcher's expectation that homework is returned daily and be completed with 90% accuracy. The researcher will keep a record of each child's test scores and homework progress weekly. These results will be placed on the student's progress sheet.
  6. Along with the student progress sheet, the researcher will use a T-test to document any differences in student progress.

### 3. RESEARCH SUBJECTS:

a. List maximum number of subjects 18, targeted age group/ range 6-7 years of age. (specified in years); targeted gender **Male & Females**; targeted ethnicity/ race-**African American**

b. Method of selection and recruitment - list inclusion and exclusion criteria. Describe the recruitment procedures (including all follow-ups).

1. Convenience sample from the teacher's first grade class. There are no specific inclusion criteria (all students will participate provided they have consent forms from parents allowing the researcher to use the data)
2. Students will only participate if their parents sign the consent
3. This study will examine students who participated in the after school program or returned home to a parent after school.

c. The activity described in this application involves another institution (e.g. school, university, hospital etc.) and/or another country. Yes  No

*If yes, provide the following details:*

- 1) Name of institution: **Any County School System-Smith Elem.**
- 2) County and state: **Any/ Ga.**
- 3) Country: **United States of America**
- 4) *Written letter of authorization (on official letterhead only)/* IRB approval:  
Attached:   
Pending:

d. *Is there any working relationship between the researcher and the subjects?*  
Yes  No , *If yes, explain. The subjects are students in the researchers' first grade classroom.*

e. *Describe any incentives (payment, gifts, extra credit).*

Extra credit cannot be offered unless there are equal non-research options available for research using students

N/A

4. **PROCEDURES:** *State in chronological order what a subject is expected to do and what the researcher will do during the interaction. Indicate time commitment for each research activity. And detail any follow-up.*

1. Students will be given a pre-test in language arts and mathematics, and a confidence survey during the first few days of the study.
2. Researcher will conduct class session as normal, following the QCC guidelines. Both sets of students will be taught in the same format and provided with the same materials.
3. Researcher will monitor each group of children. Researcher will document: if homework is turned in consistently and correct, project are completed on time, if the tutorial received at home or school effects child's grades during the course of the study.
4. Weekly and six weeks test grades will be recorded, along with documenting student behavior (through informal interviews with students).
5. Students will be given an exit exam, post-test in language arts and mathematics, and a confidence survey during the last few days of the study.
6. Data (from 5) will be collected, reviewed, and analyzed.

**Follow-up**

Researcher will share results of the study with the school administration team.

Duration of participation in the study: 9 Months

No. of testing/training sessions: 1 daily Length of each session: 1 hour

5. **Check all other materials that apply and are attached:**

Interview protocol  Debriefing Statement  Recruitment flyers or advertisements   
Consent/Assent forms  Photo/Video release on consent form

*If no consent documents are attached, justify this omission under Q. 8*

6. **RISK:** *Detail risks to a subject as a result of data collection and as a direct result of the research and your plans to minimize them and the availability and limits of treatment for sustained physical or emotional injuries. N/A*

**NOTE: REPORT INCIDENTS CAUSING DISCOMFORT, STRESS OR HARM TO THE IRB IMMEDIATELY!**

a. **CURRENT RISK:** *Describe any psychological, social, legal, economic or physical discomfort, stress or harm that might occur as a result of participation in research. How will these be held to the absolute minimum? Students will not be exposed to ANY risks because the activity occurring would occur in the context of regularly scheduled school activities.*

b. **FUTURE RISK:** *How are research participants to be protected from potentially harmful future use of the data collected in this project? Describe your plans to maintain confidentiality, including removing identifiers, and state who will have access to the data and in what role. Justify retention of identifying information on any data or forms.*

**DO NOT ANSWER THIS QUESTION WITH "NOT APPLICABLE"!**

Anonymous  Confidential  *Check one only and explain below.*

**Explanation:** Student data will be collected and used for research results only. Student's names and any other identifiable indicators will not be used. Only the researcher will have access to student information in order to keep their confidentiality. Student's guardians will have to sign a consent form in order for student information to be used.

Audio-taping  Video-taping  Pictures

*If taping, how will tapes be securely stored, who will have access to the tapes, will they be publicly disseminated and when will they be erased or destroyed? Justify retention.*

N/A

7. **BENEFIT:** *State the benefits to individuals and humankind. Potential benefits of the research*

should outweigh risks associated with research participation.

a. Identify benefits of the research for participants, e.g. course credit, educational benefits: **Participants will have the opportunity to engage in creative and innovative activities provided by the researcher.**

b. Identify any potential benefits of this research for humankind in general, e.g. advance our knowledge of some phenomenon or help solve a practical problem.

**Potential benefits of the study include reviewing the after school program for improvements and strengths. Areas of weakness will be improved and areas of strengths will be expounded.**

8. **CONSENT PROCESS:**

a. Detail how informed consent will be obtained from all research participants and, when applicable, from parent(s) or guardian(s).

**The researcher will send a letter home to parents outlining the proposed study. Parents will be given the option to participate, but it is also explained that there will be no repercussions if they decide not to. It is also explained that his or her child's data is confidential, and will not be viewed by anyone except the researcher. Parents are also informed that their child's data will not be used without their written consent, and that they can discontinue participation in the study at any time. (see attached letter)**

Request for waiver of signed consent using data sets Yes  No

*If yes, a full explanation must be submitted for approval, including assurance that risk to the participant will be minimal. Also submit a consent script that will be used in lieu of a form.*

b. **Deception** Yes  No

*If yes, describe the deception, why it is necessary, and how you will debrief them. The consent form should include the following statement: "In order to make this study a valid one, some information about my participation will be withheld until completion of the study."*

9. **VULNERABLE PARTICIPANTS:** Yes  No

Minors  Prisoners  Pregnant women/fetuses  Elderly

Immigrants/non-English speakers  Mentally/Physically incapacitated  Others  *List below.*

*Outline procedures to obtain their consent/assent to participate. Describe the procedures to be used to minimize risk to these vulnerable subjects.*

**The researcher will send a letter home to parents outlining the proposed study. Parents will be given the option to participate, but it is also explained that there will be no repercussions if they decide not to. It is also explained that his or her child's data is confidential, and will not be viewed by anyone except the researcher. Parents are also informed that their child's data will not be used without their written consent and that they can discontinue participation in the study at any time.**

**Students will be observed following their normal daily routine. Researcher will conduct class sessions as normal, following the QCC guidelines. Students will be taught in the same format and provided materials.**

**There is no additional time required for this study, except to survey students using the confidence survey. The confidence survey will be given after school with the participating parent's permission. The teacher will be responsible for students during this time.**

10 **ILLEGAL ACTIVITIES:** (illegal drug use, prostitution, undocumented immigrants, etc)

. NOTE: Some ILLEGAL ACTIVITIES must be reported, e.g. child abuse.

Does the data collection relate to illegal activities? Yes  No

If yes, explain how subjects will be protected.

11 **STUDENTS** (check all that apply to this application)

. This application is being submitted for :

Class assignment  Pilot study

Applied Project, Thesis or Exit Exam Research