
Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Personnel Information * * *

Study Personnel Roles:

-Principal Investigator: accepts responsibility for study, can edit protocol, must submit to IRB
-Administrative Contact: additional study contact, can edit/prepare protocol, may or may not also be member of research team
-Key Personnel (Research Team): Pepperdine University member of research team, can view protocol (not edit)
-Non-Pepperdine Collaborator: member of research team from another institution or organization outside of Pepperdine University, has no access to system, must be provided with PDF of protocol.

IMPORTANT NOTE: Human Subjects Protection Training is mandatory for all research team personnel.

Principal Investigator Mandatory

PI must be Pepperdine University affiliate.

Name of Principal Investigator (Faculty, Staff or Student)	Degree (MD/PhD/Other)	Title
Jane Smith		Mrs.
Email	Phone	Fax
Jane.Smith@Pepperdine.edu	310-555-5555	
School	Division	
Graduate School of Education and Psychology	Education	

Please indicate your status: Student

Human Subjects Training Completed? Y

If you have completed training that is not auto-populated below, upload a copy in the Attachments section.

Research Team Member Duties Picklist

1.	X Recruitment	2.	X Obtains consent
3.	Determine Subject Eligibility for Accrual	4a.	Subject Physical Examinations
4b.	Follow-up Visits including physical assessments	6a.	Administer and/or Dispense Study Drugs, Biologics or Devices

5.	Perform study procedures or Specimen Collection	6b.	Receive, Store, Manipulate or Account for Study Drugs, Biologics or Devices
7.	Subject Randomization or Registry	8.	X Collection of Subject Data
9.	Report Data (CRFs, e-CRFs, Spreadsheets)	10.	X Data Analysis
11a.	Review Adverse Events	11b.	Treat and Classify Adverse Events
12.	Other (Please insert explanation below.)		

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

No training data is available.

Faculty Chair/Sponsor Mandatory

Name of Faculty Chair/Sponsor	Degree (MD/PhD/Other)	Title
John Doe	PhD	Dr.
Email	**Phone**	**Fax**
John.Doe@pepperdine.edu	310-568-2389	
School	**Division**	
Graduate School of Education and Psychology	Education	

Is the (Role) also a Department Chair?	N
Human Subjects Training Completed?	Y

If you have completed training that is not auto-populated below, upload a copy in the Attachments section.

Faculty advisor/mentor is a member of the study	N

No training data is available.

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Subject Population * * *

Subject Population(s) Checklist

Select All That Apply:

Adult Volunteers

Individuals with impaired decision-making capacity

Employees

Fetuses

X Minors (under 18)

Pregnant Women

Prisoners

Students

Terminally Ill Subjects

Wards of the State

Non-English Speakers

Other (any population that is not specified above)

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Study Location * * *

Study Location(s) Checklist

Indicate where the study will be conducted. Select all that apply:

Encino Campus

Irvine Campus

Malibu Campus

West Los Angeles Campus

Calabasas Campus

X Other (In the box below, list any off-campus institutions or locations and describe the activities being conducted there. Please provide letters of cooperation and/or IRB approvals from each location to document support/approval of the study. You may provide such documentation as it becomes available, but you may not begin work at those sites until documentation of support is provided to the IRB).

Anytown School District, North High School, South High School, East High School, West High School. We will be conducting

Other Pepperdine University sites (In the box below, list any other on-campus locations)

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * General Checklist * * *

General Checklist

Select All That Apply :

X Study Eligible for Expedited Review

Study Eligible for Exempt Review

Non-human subjects research

Collection of Specimens

X Data collection via e-mail or the Internet

Data Collection via Interviews

Genetic Testing

Human blood, cells, tissues, or body fluids

Investigational drugs, reagents, chemicals, or biologic products

Investigational Device

Investigator Initiated Study

Medical Records

Photography, Video, or Voice-Recording Subjects

X Questionnaires and/or tests

Study of existing data or specimens

Other (clarify in text box to the right)

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Funding * * *

Funding Checklist

X NONE

NOTE: Applicable grant application, contract or subcontract, investigator's brochure, and sponsor's protocol (for all industry sponsored clinical trials) must be attached. Click "Add" to attach the documents.

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Expedited Review * * *

To request an Expedited Review, check the appropriate category(ies) below. Provide justification for your request for Expedited Review.

To qualify for expedited review, research activities must (1) present no more than minimal risk to human subjects, and (2) involve only procedures listed in one or more of the categories below.

If none of the categories are applicable to your research project, a Full Committee Review will be required. For Expedited or Full Review, proceed to complete the following application. If none of the expedited criteria are appropriate for your project, please move to the next screen WITHOUT checking any of these criteria; your protocol will be reviewed by the full IRB. Note: The IRB will make the final determination if your protocol is eligible for expedited review.

Select one or more of the following paragraph(s):

1. Clinical studies of drugs and medical devices only when condition (a) or (b) is met.
   a) Research on drugs for which an investigational new drug application (21 CFR Part 31, 32) is not required. (Note: Research on marketed drugs that significantly increases the risks or decreases the acceptability of the risks associated with the use of the product is not eligible for expedited review.)
   b) Research on medical devices for which
      i) An investigational device exemption application (21 CFR Part 812) is not required; or
      ii) The medical device is cleared/approved for marketing and the medical device is being used in accordance with its cleared/approved labeling.

2. Collection of blood samples by finger stick, heel stick, ear stick, or venipuncture as follows:
   a) From healthy, nonpregnant adults who weigh at least 110 pounds. For these subjects, the amounts drawn may not exceed 550 ml in an 8-week period and collection may not occur more frequently than 2 times per week; or
   b) From other adults and children, considering the age, weight, and health of the subjects, the collection procedure, the amount of blood to be collected, and the frequency with which it will be collected. For these subjects, the amount drawn may not exceed the lesser of 50 ml or 3 ml per kg in an 8-week period and collection may not occur more frequently than 2 times per week.

   Children are "persons who have not attained the legal age for consent to treatments or procedures involved in the research, under the applicable law of the jurisdiction in which the research will be conducted."

3. Prospective collection of biological specimens for research purposes by non-invasive means.

   EXAMPLES: (a) hair and nail clippings in a nondisfiguring manner; (b) deciduous teeth at time of exfoliation or if routine patient care indicates a need for extraction; (c) permanent teeth if routine patient care indicates a need for extraction; (d) excreta and external secretions (including sweat); (e) uncannulated saliva collected either in an unstimulated fashion or stimulated by chewing gumbase or wax or by applying a dilute citric solution to the tongue; (f) placenta removed at delivery; (g) amniotic fluid obtained at the time of rupture of the membrane prior to or during labor; (h) supra-and subgingival dental plaque and calculus, provided the collection procedure is not more invasive than routine prophylactic scaling of the teeth and the process is accomplished in accordance with accepted prophylactic techniques; (i) mucosal and skin cells collected by buccal scraping or swab, skin swab, or mouth washings; (j) sputum collected after saline mist nebulization.

4. Collection of data through non-invasive procedures (not involving general anesthesia or sedation) routinely employed in clinical practice, excluding procedures involving X-rays or microwaves. Where medical devices are employed, they must be

---

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

cleared/approved for marketing. (Studies intended to evaluate the safety and effectiveness of the medical device are not generally eligible for expedited review, including studies of cleared medical devices for new indications.)

EXAMPLES: (a) physical sensors that are applied either to the surface of the body or at a distance and do not involve input of significant amounts of energy into the subject or an invasion of the subjects' privacy; (b) weighing or testing sensory acuity; (c) magnetic resonance imaging; (d) electrocardiography, electroencephalography, thermography, detection of naturally occurring radioactivity, electroretinography, ultrasound, diagnostic infrared imaging, doppler blood flow, and echocardiology; (e) moderate exercise, muscular strength testing, body composition assessment, and flexibility testing where appropriate given the age, weight and health of the individual.

5. Research involving materials (data, documents, records, or specimens) that have been collected, or will be collected solely for nonresearch purposes (such as medical treatment or diagnosis). (NOTE: Some research in this category may be exempt from the HHS regulations for the protection of human subjects. 45CFR 46.101(b)(4). This listing refers only to research that is not exempt.)

6. Collection of data from voice, video, digital, or image recordings made for research purposes.

X 7. Research on individual or group characteristics or behavior (including, but not limited to, research on perception, cognition, motivation, identity, language, communication, cultural beliefs or practices, and social behavior) or research employing survey, interview, oral history, focus group, program evaluation, human factors evaluation, or quality assurance methodologies. (NOTE: Some research in this category may be exempt from the HHS regulations for the protection of human subjects. 45 CFR 46.101(b)(2) and (b)(3). This listing refers only to research that is not exempt.)

This quantitative, comparative, and quasi-experimental study examines the phenomena of the high school students' current perceptions of appeal, challenge, and learning choice in high school AP mathematics courses in the affective domain. To accomplish this purpose a survey will be given to students currently enrolled in an AP Mathematics course near the end of the course requirements. The results will be analyzed to explore if any differences exist between the two populations of

a) Previously approved research where

(i) The research is permanently closed to the enrollment of new subjects;

(ii) All subjects have completed all research-related interventions; and

(iii) The research remains active only for the long term follow-up of subjects.

b) Previously approved research where no subjects have been enrolled and no additionalrisks have been identified.

c) Previously approved research where the remaining research activities are limitedto data analysis.

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Purpose , Study Procedures * * *

Study Title

THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Complete Sections 1 - 11. Specify N/A as appropriate. Do not leave any required sections blank.

1) Purpose of the study

a) Provide a brief lay summary of the project in <200 words. The lay summary should be readily understandable to the general public.

The purpose of this quantitative study is to identify what differences, if any, exist in student perceptions of appeal, challenge, and learning choice in high school Advanced Placement (AP) mathematics courses between students who were identified as gifted and talented (GT) versus those also enrolled who are not identified as GT. The researcher hopes to identify if these accelerated, college-level AP courses are meeting the appeal, challenge, and learning choice needs of GT students and/or their peers. This study may assist educators of GT students in AP mathematics courses in designing courses to meet the specific needs of GT learners leading to equity of outcomes for all students to reach their highest potential. To accomplish this purpose an electronic survey of 24 questions will be given to at least 180 students currently enrolled in an AP Mathematics course at one of four public high schools in one school district near the end of the course requirements. The group must include 90 students identified as GT. Students will also be asked to complete 9 demographic questions to allow

b) List your research questions.

To what extent, if at all, do differences exist in perceptions of appeal, challenge and learning choice in high school AP mathematics courses between AP students who were previously identified as gifted and talented versus a matched group of

c) Describe the study design (e.g., single/double blind, parallel, crossover, control, experimental, observational, etc.)

N/A

X Quantitative

Qualitative

Mix Methods

Observational

Other

d) Provide a timeline for individual subject recruitment and follow-up (analysis for the study is required).

Permission has already have been obtained from the Chief Academic Officier for the school district and the four high school principals to allow for the research to be conducted at the site. Advanced Placement mathematics teachers will be asked to help recruit participants by distributing to each potential participant a copy of an informed consent requesting permission for the student to participate in the described study on May 13, 2019. The Qualtrics survey will open on May 15, 2019, and will be closed by the researcher on May 29, 2019, at 11:59 pm. This leaves a total of 17 days for recruitment with the parental

e) Will subjects be randomized? N

2) Study Procedures

a) Is this project a multicenter study (i.e., same project is conducted elsewhere by a different investigator)? N

Is Pepperdine University acting as a coordinating center for other sites?

Will the Pepperdine University site be participating in all parts/procedures/arms of the study?

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

If No, explain what Pepperdine University will NOT participate in:

b) Describe all the procedures, from screening through end-of-study, that the human subject must undergo in the research project, including study visits, drug treatments, randomization and the procedures that are part of standard of care. Specify which procedures are for research and which are standard of care. If study involves only retrospective record review, describe that review process here, including how records will be selected for review. Please note: The box below is for text only. If you would like to add tables, charts, etc., Click "Add" to attach the documents.

The high school AP classroom teachers are asked to only distribute the parental consent forms to students currently enrolled in their AP classes, thus screening out students who are not currently enrolled in an AP mathematics course at one of the four high schools in the school district. This will exclude students who dropped out of the course at any point in the school year. Teachers will only distribute the survey link to students who return the signed parental consent form. After students take the survey, teachers will collect back the survey link, so participants cannot share the link with others who are not in the AP mathematics courses at one of the four high schools in the study.

The participants will need to obtain parental consent by having their parents read through the parental consent form and signing it. They will return this form to their teacher. Their teacher will give them a sheet of directions including a bit.ly link which students need to enter into a browser on their smartphone or on a school provided laptop to navigate to a survey. Alternatively, participants can also use the provided QR code with a QR reader to navigate to the survey. Participants will need to read through the assent information and chose to assent or not. If they assent, participants will answer 24 questions using a 5-point Likert scale ranging from strongly disagree (1), disagree (2), undecided (3), agree (4), to strongly agree (5). They will click next at the bottom of the survey to navigate to a block of questions on demographics, answering an additional

c) Describe how data analysis will be performed (statistical tests, methods of evaluating data) and indicate the smallest group/unit for which separate reporting will occur. For studies involving a questionnaire, if data and reliability information are available, please describe or provide references. (Page numbers from a sponsor's protocol/grant may be referenced in this section).

The Student Perceptions of Classroom Quality (SPOCQ) instrument (see Appendix A), created by Gentry and Owen (2004), was designed to gather student attitudes on appeal, challenges, learning choices, self-efficacy, and the meaningfulness of their educational experiences. Through the student perception data gathered via the SPOCQ, Gentry and Owen hope that educators and researchers alike can focus on strategies to improve educational experiences for the gifted and talented as well as their grade level peers not identified as gifted and talented. The SPOCQ was intended for use with secondary students to measure student affect to guide instructional choices in curriculum and instruction. The SPOCQ built on a previous instrument, My Class Activities, and a pilot study in which Gentry also conducted (Gentry & Owen, 2004). The pilot study employed "22 content experts who rated items written for each construct" (Gentry & Owen, 2004, p. 22), and then piloted the instrument with 500 high school students. Following the pilot, revisions were made to the tool including rewording of statements, adding four attribution items, and including self-efficacy items as part of the five constructs. A confirmatory factor analysis identified five correlated, but sufficiently independent constructs with no second order factor measuring classroom quality (Gentry & Owen).

To confirm reliability of the SPOCQ instrument, Gentry and Owen (2004) used SPSS v. 12 to generate alpha reliability coefficients and descriptive statistics. Gentry and Owen found the alpha estimates for the subscales as follows: choice (.81), academic self-efficacy (.82) appeal (.85), meaningfulness (.81), and challenge (.81). A confirmatory factor analysis (CFA) results produced a Bentler's Comparative Fit Index (CFI) of 0.997, which is greater than 0.95 and thus represents a good model fit to the data (Hooper, Coughlan, and Mullen, 2008). The root mean square error of approximation (RMSEA) of 0.051 [CI 0.048 - 0.055] likewise represents a reasonable fit of the data (Hooper, Coughlan, and Mullen) data, providing evidence of the instrument's construct validity. Gentry and Owen describe these results as very strong.

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

data analysis, students will be grouped non-randomly using matched pairs with pre-existing conditions identified via the demographic section of the instrument where participants identify themselves as previously identified as gifted and talented or not. Specifically, student demographics will be identified in the data set with demographic matching of similar students done prior to statistical analysis. The Excel document will allow for importing of the raw data to a statistical software to ease analysis and allow for the descriptive statistics of the interval level data to find the mean, mode and standard deviation for each variable: appeal, challenge, and learning choice. This analysis will also verify homogeneity of variance and normality, with non-normal data being transformed to attain a normal distribution, if necessary. Outliers will be deleted case wise from the dataset. Inferential statistical analysis will be tested using one-way MANOVA to distinguish if there are differences

---

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Subject Population(a-h) * * *

3. Subject Population - In the space below, please detail the participants that you are requesting to recruit (include description of each group requested)

a) Expected age range of subjects. (For example ? 18 yrs to 90 yrs).

The population of interest in this study is comprised of students enrolled in Advanced Placement Mathematics courses in four public high schools located in a single Southern California School District. The inclusion criteria comprise of enrollment as a student in the high school of study and enrollment in one of the three AP mathematics courses offered: AP Statistics, AP Calculus AB, and AP Calculus BC. Therefore, these participants are in high school and between the ages of 14 - 18, with a majority of participants

b)	i) Number to be directly solicited for this research.	N/A	600
	ii) Number to be consented (including withdrawals or screen failures)	N/A	200
	iii)Number expected to complete the study.		180
c)	If this is multi-center study, number of subjects to complete the study study-wide	X N/A	
d)	If study involves review of medical or other records, number of records to be reviewed.	X N/A	

e) If applicable, state the rationale for involvement of potentially vulnerable subjects to be entered into the study, including minors, pregnant women, economically and educationally disadvantaged, or decisionally impaired individuals. Specify the measures being taken to minimize the risks and the chance of harm to the potentially vulnerable subjects.

Minors are included in this study because Advanced Placement classes only take place in high schools and that is where minors attend school. More accurate data can be gathered by utilizing responses from students currently enrolled in these Advanced

f) If women, minorities, or minors are excluded, a clear compelling rationale must be provided unless not applicable. Examples for not including minors: disease does not occur in children; drug or device would interfere with normal growth and development; etc.

Students who dropped out of the Advanced Placement course at any point during the school year will not be eligible for participation in this study because they cannot reflect on the entire prescribed Advanced Placement program. Likewise, this study involves only

g) If any specifically targeted subjects are students, employees, or laboratory personnel, specify the measures being taken to minimize risks (especially risks of coercion) and the chance of harm to these potentially vulnerable subjects.

To minimize risks and risks of duress, there is no coercion to complete the survey or gain parental consent. The design of the research does not impact student grades or eligibility for any other programs

h) Describe how potential subjects will be identified for recruitment (e.g., chart review, referral from individual's treating physician, those individuals answering an ad). How will potential participants learn about the research, and how will they be recruited (e.g., flyer, e-mail, web posting, telephone, etc.)? State where recruitment materials will be located. Click "Add" to upload recruitment materials document.

Important to remember: potential subjects cannot be contacted before IRB approval.

Potential participants are identified as students within the AP math classrooms in four high schools in one school district. Participants will learn about the research and survey via the distribution of parental consent forms in their Advanced Placement Mathematics course. Their teachers will explain that a voluntary study is being conducted in their course and that participation is voluntary and does not impact grades,

---

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Subject Population(i-l) * * *

3. Subject Population (continued)

i) Inclusion and Exclusion Criteria.

Identify inclusion criteria.

The inclusion criteria comprise of enrollment as a student in the high school of study and enrollment in one of the three AP mathematics courses offered: AP Statistics, AP Calculus AB, and AP Calculus BC.

Identify exclusion criteria.

Exclusion criteria include students who do not possess all of the inclusion characteristics.

j) Compensation. Explain the amount and schedule of compensation, if any, that will be paid for participation in the study. Include provisions for prorating payment.

None

k) Describe who will cover study related costs. Explain any costs that will be charged to the subject.Include provisions for prorating payment.

n/a

l) Estimate the probable duration of the entire study including data analysis and publication. This estimate should include the total time each subject is to be involved and the duration the data about the subject is to be collected. If the study is Investigator-initiated, a timeline for individual subject recruitment, follow-up, total time for subject accrual, and data analysis for the study is required.

The timeline for participants engaging in the survey is 17 days. The actual survey should take no more than ten minutes to complete. The timeline for data analysis is one month, for completion and publication of the research two months after the parental consent is distributed. The total duration of the study is 3 months.

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Risks * * *

4. Risks

There is no research that can be considered totally risk free (e.g., a potential risk of breach of confidentiality). Therefore, when describing the risk, the lowest level of risk is "no more than minimal risk".

a) For the following categories include a scientific estimate of the frequency, severity, and reversibility of potential risks. Wherever possible, include statistical incidence of complications and the mortality rate of proposed procedures. Where there has been insufficient time to accumulate significant data on risk,a statement to this effect should be included. (In describing these risks in the consent form to the subject, it is helpful to use comparisons which are meaningful to persons unfamiliar with medical terminology).

Address any risks related to (input N/A if not applicable):

1. Describe any risks related to performing study procedures. Please include all investigational, non-investigational, and non-invasive procedures (e.g., surgery, blood draws, treadmill tests).

n/a

4a. Describe any other physical, psychological, social or legal risks the subject may experience.

Minimal risks for participants may include looking more in-depth at one's AP mathematics course and the instructional techniques used in the classroom. This may lead to dissatisfaction with the coursework or a lack of engagement or participation. Participants may also experience boredom and fatigue. Socially, participants may lose respect for their teacher if they deem that the course was not appealing, challenging or offered choice or participants may feel embarrassed for being or not being labeled gifted and talented. Participants may also be experience harm if a breach of confidentiality or breach of identification occurs. These breaches of confidentiality and identification are likewise legal risks for the students.

4b. Special Precautions. Describe the planned procedures for protecting against or minimizing potential risks. If appropriate, include the standards for termination of the participation of the individual subject. Discuss plans for ensuring necessary medical or professional intervention in the event of adverse effects to the subjects.

The school district's Chief Academic Officer will first provide approval to seek school and parent or guardian permission to have students take the online survey. Second, Pepperdine University's Institutional Review Board (IRB) will reify participants confidentiality, minimal risk, and fair administration during survey administration. Third, each parent of a potential student will receive an informed consent describing the study and requesting permission for the student to participate if they desire. Finally, students will be given a choice to assent to take the survey. To minimize psychological risks, there is no time limit on the survey. To minimize social risks, the survey will be given near the end of course work so students will not have much further contact with the teacher. The demographic data collection is where students identify themselves as gifted and talented, but they also have can choose other services they receive at school, such as English as a second language or English Language Learner, Speech, Hearing, Special Education - Learning disability, Special Education - Behavioral services, or Free or Reduced Lunch. This minimizes the risk for participants to feel socially labeled because there are many choices to choose from. To minimize the risk of a breach of confidentiality or identification, all data collected will be de-identified. Any identifiable information obtained in connection with this study will remain confidential. When the results of this project are presented, the names of the participants and schools in the study will not be revealed. Participants and the schools will be assigned pseudonyms to maintain confidentiality.

The records collected for this study will be confidential as far as permitted by law. However, if required to do so by law, it may be necessary to disclose information collected about participants if the participant discloses any instances of child abuse or harm to self or others.

The landing page of the online survey will include the role of the participants in the study, the purpose of the research, the descriptions of the procedures, potential risks and benefits, contact information for further questions, confidentiality information, and the choice of assent or decline of participation in the survey. At the bottom of the landing page, students will have the choice to accept the assent information and continue or cancel and decline participation. Parents' signed consent forms will be held in a locked

filing cabinet. Survey results will be kept password protected on the online survey tool and be destroyed three years after the study, as will parent's signed consents.

4c.

Please describe any reproductive risk associated with any part of the research study. Include any data from other studies (animal or human).

n/a

Protocol Title:	THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES
Protocol Status:	APPROVED
Date Submitted:	04/18/2019
Approval Period:	**05/09/2019-05/08/2020**
Important Note:	**This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Benefits/Alternatives, Procedures to Maintain Confidentiality * * *

5. Benefits/Alternatives

a) Benefits. Describe the potential benefit(s) to be gained by the subjects and how the results of the study may benefit future subjects and/or society in general. Indicate if there is no direct benefit to the participants.

Participants do not directly benefit from this study, though the findings may provide societal benefits. The information amassed in this study is hoped to add to the body of literature around the needs of the gifted and talented. Furthermore, the evidence gathered in this study adds to the body of knowledge regarding the Advanced Placement program. The evidence gathered in this study may assist educators of the gifted and talented in AP mathematics courses and the College Board in designing courses to meet the specific needs of the gifted and talented population leading to equity of outcomes and participation in their classrooms for all students. In addition, the findings from this study may contribute to the knowledge surrounding the needs of identified gifted and talented students

b) Alternatives. Describe any alternative treatments and procedures available to the subjects should they choose not to participate in the study. If no such alternatives exist, please state that the alternative is nonparticipation. For some studies, such as record reviews, a description of alternatives would not be applicable.

The alternative is Non-participation.

6. Procedures to Maintain Confidentiality

Federal regulations require that study data and consent documents be kept for a minimum of three (3) years, and HIPAA documents be kept for a minimum of six (6) years after the completion of the study by the PI. For longitudinal or sponsored projects, the PI may be required to keep the data and documents for a longer time period.

Data Security

Please indicate how information will be secured. All information must be stored using at least two of the following safeguards and must be kept in accordance with the Pepperdine University Information Security Policies. (If you are using both electronic data and hard copy data, you will need two safeguards for each type).

a) Electronic Data: (mark all that apply - at least 2 - or indicate not applicable)

Not applicable

X Password access

X Coded, with a master list kept as a hardcopy or on a secure network (confidential)

Data collected anonymously

Secure network (e.g., firewall)

X Data are de-identified by PI or research

team Other

Please specify:

b) Hardcopy Data: (mark all that apply - at least 2 - or indicate not applicable))

Not applicable

Locked suite

Locked office

X Locked file cabinet

Coded, with a master list secured and kept separately (confidential)

Data collected anonymously

24 hour personnel supervision

Data are de-identified by PI or research team

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

X Other

Please specify:

All informed consent forms will be gathered together from each school site and mailed back to the researcher via a pre-paid mailing envelope. Included in the mailing, AP teachers will be asked to add a class list to confirm participants have received consent. Informed consents and class lists will be stored in a locked safe in the closet of the researcher's home for three years.

c) Describe measures employed to protect the identity of the subjects, their responses, and any data that you obtain from private records (e.g., identifiers will be stripped so data cannot be linked to subjects, or code numbers will be used, etc.). If data will be coded, specify the procedures for coding the data so that confidentiality of individual subjects is protected. If you will keep a master list linking study codes to subject identifiers, explain why this is necessary, how and where you will secure the master list, and how long it will be kept.

Student response data will only be reported in aggregate form. Some identifying information such as student ID number will be collected in the event that the researcher may need to go back to clarify any responses from a participant to ensure the accuracy of the data and to know where the data came from.
The school district name and the names of high schools have been given pseudonyms in the study to protect the individuals involved in the study. The master list of the codes for the high school is kept only to compare the demographic data of the high schools and to detail the student responses from the survey. The master list will be secured in the same locked safe at the researcher's home closet that only the researcher has the key and combination for. The data will be disposed after three years.

d) If data or specimens are being shared outside of the research team, indicate who will receive the material and specifically what they will receive (data or specimens).

n/a

e) If samples or data will be provided from an outside source, indicate whether you will have access to identifiers, and, if so, how identifiable information is protected.

n/a

f) If data will be collected via e-mail or the internet, how will anonymity or confidentiality be protected? Describe how data will be protected during electronic transmission and how data will be recorded (i.e., will internet protocol (IP) address and/or e-mail addresses be removed from data?).

Data will be collected via an internet survey on the password protected Qualtrics site, then downloaded to a password protected Excel document. Reported data will not be student-specific, but will be analyzed and reported at the school, course, and overall level. Electronic data will be password-protected and kept indefinitely, but for at least three years to allow for potential re-analysis.

g) If you will be audio/video recording or photographing subjects, provide a rationale for recording/photographing. Describe confidentiality procedures, including the final disposition of the recordings/photos (destruction, archiving, etc.) and a reasonable timeline by which this disposition will occur.

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Potential Conflict of Interest * * *

7) Potential Conflict of Interest

Indicate whether you, your spouse or dependent children, or any investigator participating in the study have, or anticipate having, any income from or financial interest in a sponsor of this protocol, or a company that owns/licenses the technology being studied or any other entity which may affect the outcome of this research? Financial Interest includes but is not limited to: consulting; speaking or other fees; honoraria; gifts; licensing revenues; other research agreements; equity interests (including stock, stock options, warrants, partnership and other equitable ownership interests). For questions regarding Conflict of Interest consult the Conflict of Interest in Research Policy.

Check one of the following:

1) X No Financial Interest or Financial interest less than or equal to $5K

2) Financial Interest exceeding $5K but not exceeding $25K, and/or more than 5 percent equity interest in aggregate

3) Financial Interest exceeding $25K

Check all those that apply:

Consulting

Speaking Fees or Honoraria

Gifts

Patent

Copyright

Licensing agreement or royalty income

Equity interests, (including stock, stock options, warrants, partnership or equitable ownershipinterests), or serving on a scientific advisory board or board of directors

Other fees/compensation

Describe financial interests(s) and indicate specific amounts for each subcategory checked. Be sure to describe how these financial interests relate to the protocol being submitted.

Note to Investigator(s) Reporting a Potential Conflict of Interest

Investigator(s) must have:

1) Current, up-to-date Conflict of Interest Disclosure Form on file with the Pepperdine University Conflict of Interest Committee (COIC) that describes any financial relationship indicated above.

. This information must be disclosed on the Pepperdine University confidential Conflict of Interest Disclosure Formfor review by the COIC before accruing research subjects in this study. If your current Disclosure Form does not contain this information, you are required to submit an updated Disclosure Formto the COIC.

2) Financial disclosure statement incorporated into the consent document. Please see Model Consentfor suggested language.

3) You may not begin your study until your disclosure form has been reviewed and any required management plan has been approved by the COIC.

Does any member of the study team, members' spouses, or members' dependent children have any significant financial interests related N to the work to be conducted as part of the above-referenced project?

Name of Personnel with Financial Conflict of Interest

Other research staff that may have a conflict. Please specify below.

Any member of the study team who answers in the affirmative must be listed in the box below.

Protocol Title:	THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES
Protocol Status:	APPROVED
Date Submitted:	04/18/2019
Approval Period:	**05/09/2019-05/08/2020**
Important Note:	**This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

A staff person will contact any researcher listed above to obtain additional information regarding the specific financial interest(s).

I certify that all members of the study team have answered the financial interests question and only those individuals listed in the box above have disclosed any financial interest related to this study. Y

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Informed Consent * * *

8 Informed Consent

Federal regulations require that informed consent be obtained from individuals prior to their participation in research unless the IRB grants a waiver of consent. Answer the questions, below, then click Add to provide the necessary consent documents and information regarding subject consent. Multiple consents/waivers may be added, but they must be uploaded one at a time.

NOTE: You may refer to the Pepperdine University IRB Guidance for Obtaining Informed Consent for considerations regarding the consent/assent process.

State N/A if not applicable.

1) How is consent being obtained? When and where will the discussion take place?

In Advanced Placement mathematics classrooms, teachers at each high school will be asked to help recruit participants by distributing to each potential participant a copy of an informed consent requesting permission for the student to participate in the described study on May 13, 2019 in their classrooms. Student participants will take the consent form home for parents to read over and hopefully sign. If parents have questions, I have supplied my email address and phone number to discuss the consent form and any concerns.
Participants will return the informed consent if signed by their parent or guardian and themselves to their AP mathematics teacher. Upon return of the parental assent, students will key in the link on their electronic device to access the survey. The survey link will

2) Explain how risks, benefits, and alternatives will be discussed.

The risks and benefits will be described in the parental consent form and the student assent portion of the survey. Participants and parents will be provided the researcher and the chair's email addresses and phone numbers in the event of any additional questions.

3) If the study involves a cognitively impaired population, what steps are you taking to determine that potential subjects are competent to participate in the decision-making process? If you may need to seek surrogate consent, please explain how you will obtain surrogate consent.

n/a

4) If a study involves non-English speakers, what steps are you taking to provide translation of consent documents, who will obtain informed consent? Will translation sources be provided for the deviation of the study?

n/a

Informed Consent

Title	Consent Type	Attached Date
Parental Consent	Consent	04/17/2019

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Assent * * *

9 Assent

Complete this section if your study includes minors. An assent document should be used if subjects are 6 to 17 years of age. The Assent Form Template provides guidelines for writing assent documents.

1) Will minors be asked to give assent? If not, please justify.

Yes. Minors will give assent or dissent on the opening page of the internet survey.
The parental consent and student assent include the researcher's contact information (phone and email) to allow parents and students alike to discuss the consent and assent form. The letter of directions for the teacher (see the attached Letter for Teachers included in the mailing with consent forms) includes pointing out the researcher's contact information when distributing the parental consent to students and directing them to contact the researcher if the parents or themselves (the students) have any questions or concerns about the research and/or survey. The letter also instructs teachers to instruct the student to call or email the researcher if

2) If minors are asked to assent and do not wish to participate, will they still be accrued in the study? If yes, justify.

Minors who do not wish to participate and dissent will not be part of the study. No data from them will be collected.

3) How will the minor's ability to give assent be assessed? (Consider the age and maturity of the minors as well as their physical or mental condition).

The students enrolled in AP math course are typically juniors and seniors in high school. By their enrollment in these AP courses, they are currently taking college-level classes, and thus should be mature enough to assent or dissent from taking the survey

Note: For studies that require a discussion about reproductive risks, note that the conversation with the minor should take place separately from the parents. Also, if a minor will reach adulthood (18 in Missouri) during the course of the study, they will need to be asked to consent as an adult at that time to continue in the study.

Assent Documents

Title	Upload assent document	Attached Date
Student assent	Student Assent	04/17/2019

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * HIPAA * * *

10 HIPAA

Studies that receive or create protected health information (PHI) are subject to HIPAA regulations. PHI is health information with one or more personal identifiers. For more information see: http://community.pepperdine.edu/irb/hipaaforms

1) Will health information be accessed, received or collected?

X No health information. HIPAA does not apply.

Yes (continue to question 2).

2) Which personal identifiers will be accessed, received or collected?

No identifiers. I certify that no identifiers from the list below will be received or collected and linked to health information. HIPAA does not apply (skip remainder of page).

Names

Social Security numbers

Telephone numbers

Linkable code or any other unique identifying number (note this does not mean the unique code assigned by the Investigator(s) to code the research data)

All geographic subdivisions smaller than a State, including street address, city, county, precinct, zip code, and their equivalent geocodes, except for the initial three digits of a zip code, if, according to the current publicly available data from the Bureau of the Census: (1) The geographic unit formed by combining all zip codes with the same three initial digits contains more than 20,000 people; and (2) The initial three digits of a zip code for all such geographic units containing 20,000 or fewer people is changed to 000

All elements of dates (except year) for dates directly related to an individual, including birth date, admission date, discharge date, date of death; and all ages over 89 and all elements of dates (including year) indicative of such age, except that such ages and elements may be aggregated into a single category of age 90 or older

Fax numbers

Electronic mail addresses

Medical record numbers

Health plan beneficiary numbers

Account numbers

Certificate/license numbers

Vehicle identifiers and serial numbers, including license plate numbers

Device identifiers and serial numbers

Web Universal Resource Locations (URLs)

Internet Protocol (IP) address numbers

Biometric identifiers, including finger and voice prints

Full face photographic images and any comparable images

If you are receiving or collecting health information and at least one personal identifier, HIPAA applies to your study. Please continue to complete the sections, below.

3) Sources of Protected Health Information:

Hospital/medical records for in or outpatients

Physician/clinic records

Laboratory, pathology and/or radiology results

Biological samples

Interviews or questionnaires/health histories

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

Mental health records

Data previously collected for research purposes

Billing records

Otherr Please describe:

4) If data will be shared outside the research team and the study involves PHI indicate how the research team will share the information.

Not applicable (continue to question 5).

Only linkable code that can link data to the identity of the subject. A code access agreement or business associate agreement may be needed when data are shared with other non-Pepperdine University entities. If necessary, the agreement can be added and uploaded in item #5, below.

Limited identifiers: Zip codes, dates of birth, or other dates only. The study qualifies as a Limited Data Set. A data use agreement may be needed when data are shared with other non-Pepperdine University entities. If necessary, the agreement can be added and uploaded in item #5, below.

With unlimited identifiers. The consent document and HIPAA Authorization form must describe how the information will be disclosed.

5) A HIPAA Authorization Form or Waiver of HIPAA Authorization is required for this study. Use the table below to add HIPAA Documents for your study. If you are accessing medical records, or other health records that include PHI, you must complete a waiver of HIPAA authorization.

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Attachments * * *

11) Attachments

In this section, please upload additional documents associated with your protocol. Failure to attach files associated with the protocol may result in the protocol being returned to you.

Possible documents for this protocol could include:

Accessing Capacity to Consent Form

Confidentiality Form

Cooperating Institution's IRB Approval

Cooperating Authorization Agreement

Data Collection Sheet

Data Protection Plan

Debriefing Consent Form

Debriefing Information Sheet

Debriefing Script

Dissertation (Ch. 1-3)

FERPA Form

Grant Proposal/Sub-Contract

Human Subjects Training Certificate/Proof of Training

Information Sheet

Interview/Focus Group Questions

Investigator's Brochure

Medical Consent Form

Parental Notification Form (Minors)

Questionnaire/Survey

Recruitment Material (e.g., flyers, ads, e-mail text)

Research Proposal

Research Consultant Non-Engagement Agreement

Short-Form Consent for Non-English Speakers to Participate in Research

Site Approval

Unaffiliated Outside Investigator Agreement

Verbal Consent Form

Other files associated with the protocol (most standard formats accepted: pdf, jpg, tif, mp3, wmv, etc.)

To update or revise any attachments, please delete the existing attachment and upload the revised document to replace it.

Document Type	Document Name	Attached Date	Submitted Date

Human Subjects Training Certificate/Proof of Training	Smith.Jane Human Subjects Protection Course Completion Report	04/04/2019	04/18/2019
Cooperating Institution's IRB Approval	Permission from ASD Jane Smith	04/04/2019	04/18/2019

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

Site Approval	Pepperdine Univ School Site Verification of Permission - Jane Smith	04/04/2019	04/18/2019
Site Approval	J.Smith IRB Approval for WHS	04/04/2019	04/18/2019
Site Approval	Permission from East High School Principal	04/05/2019	04/18/2019
Site Approval	J.Smith IRB Approval for SHS	04/15/2019	04/18/2019
Recruitment Material (e.g., flyers, ads, e-mail text)	Email to Teachers Seeking Permission to Survey Their Students	04/15/2019	04/18/2019
Information Sheet	Student Directions for Survey	04/15/2019	04/18/2019
Other	Follow-up Email to Teachers	04/15/2019	04/18/2019
Recruitment Material (e.g., flyers, ads, e-mail text)	Email to School Principal	04/15/2019	04/18/2019
Recruitment Material (e.g., flyers, ads, e-mail text)	Smith, Jane ASD Research Approval Application	04/15/2019	04/18/2019
Site Approval	J.Smith IRB Approval for NHS	04/16/2019	04/18/2019
Questionnaire/Survey	Perception of Appeal Choice Learning Choice Survey	04/17/2019	04/18/2019
Human Subjects Training Certificate/Proof of Training	20160510 CITI Certificate	04/18/2019	04/18/2019
Information Sheet	Letter for Teachers included in Mailing with Consent Forms	05/06/2019	05/06/2019
Dissertation (Ch. 1-3)	Smith Dissertation for IRB	05/06/2019	05/06/2019
Dissertation (Ch. 1-3)			
Information Sheet			

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * PI Obligations * * *

PI Obligations

By clicking the box below you indicate that you accept responsibility for and will follow the ethical guidelines set forth by the Belmont Report, Declaration of Helsinki, the Nuremberg Code, and the Ethical Principles of the American Psychological Association (if applicable) for the research described.

Submission by the Principal Investigator (PI) indicates that the PI has the requisite funding, credentials, training, and any necessary hospital privileges, if needed, to carry out all procedures and treatments involved in the protocol.

Clicking the box also affirms that the activities involving human subjects will not begin without prior review and approval by the Institutional Review Board, and that all activities will be performed in accordance with state and federal regulations and Pepperdine University's assurance with the Department of Health and Human Services. The PI assures that if members of the Pepperdine University research team access protected health information (PHI) from a Pepperdine University covered entity in order to seek consent/authorization for research, such access is necessary for the research, is solely for that purpose, and the information will not be removed from the covered entity without IRB authorization or approved waiver.

1) Have you completed the annual Conflict of Interest in Research Disclosure Form? N/A

NOTE: An annual disclosure must be completed by all faculty and any students receiving external funding for research.

2) Have your financial interests changed significantly since you completed the annual disclosure form? N

According to the Pepperdine University Conflict of Interest Policy, as PI, it is your responsibility to inform co-investigators, staff, or students involved in the design, conduct, or reporting of externally sponsored research of their requirement to complete a Conflict of Interest Disclosure Form.

X I accept this responsibility.

By submitting this form, the PRINCIPAL INVESTIGATOR certifies that he/she has read the University's Conflict of Interest Research Policy and has checked the appropriate box in the 'Potential Conflict of Interest' section of the application. In addition, the PRINCIPAL INVESTIGATOR certifies that, to the best of his/her knowledge, no person working on this project at Pepperdine University has a conflict of interest or if a conflict of interest does exist, that an appropriate management plan is in place.

X The Principal Investigator has read and agrees to abide by the above obligations.

X The Faculty Chair/Sponsor has read and agrees to abide by the above obligations.

Protocol Title: THE PERCEIVED APPEAL, CHALLENGE, AND LEARNING CHOICE FOR GIFTED AND TALENTED STUDENTS IN ADVANCED PLACEMENT MATHEMATICS COURSES

Protocol Status: APPROVED

Date Submitted: 04/18/2019

Approval Period: **05/09/2019-05/08/2020**

Important Note: **This Print View may not reflect all comments and contingencies for approval. Please check the comments section of the online protocol. Questions that appear to not have been answered may not have been required for this submission. Please see the system application for more details.**

* * * Event History * * *

Event History

Date	Status	View Attachments	Letters
04/04/2019	NEW FORM CREATED		
04/18/2019	NEW FORM SUBMITTED	Y	
04/18/2019	NEW FORM PANEL ASSIGNED		
04/22/2019	NEW FORM ASSIGNED REVIEWER(S)		
04/30/2019	NEW FORM	Y	
05/06/2019	NEW FORM SUBMITTED (CYCLE 1)	Y	
05/09/2019	NEW FORM APPROVED SUBMITTED (CYCLE 2)	Y	Y