Acknowledgement: This material is based upon work supported by the National Science Foundation under Grant No. 1340097. Disclaimer: Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author and do not necessarily reflect the views of the National Science Foundation.

PROTOCOLS: NOYCE SCHOLAR: INDUCTION SURVEY

Implied Consent to Participate in Research

Data collected from this confidential survey will be used in research about the Noyce Scholars program at California State University East Bay. The information gathered will be used for research on recruiting math and science teachers. The survey questions will be about your experience in the program and experience as a teacher. You have been invited to participate because you have applied to be a Noyce Scholar.

There are no risks or benefits to you in participating in this survey. You may choose to participate or not. You may answer only the questions you feel comfortable answering, and you may stop at any time. If you do not wish to participate, you may simply return the blank survey, with no penalty to yourself. If you do participate, completion and return of the survey indicates your consent to the above conditions.

Please do not put your name on this form. The survey should take approximately 15 minutes to complete. Any questions or concerns should be directed to the principal investigator, Dr. ___, at or the CSUEB Office of Research and Sponsored Programs at ___@cuseastbay.edu or 510-XXX-XXXX.

Pre-Induction Survey questions

1. How did you learn about the Noyce program? Please indicate all that apply.
   - Poster/Flyer
   - Meeting
   - Faculty Member
   - Advisor
   - Friend/Fellow Student

2. Which of the factors below most influenced your decision to participate in the program?
   - Financial Need
   - Honor
   - Receiving Support
   - Wanting to Teach in High Need Areas

3. Did you attend a community college before attending CSUEB?
   - Yes
   - No

3. Describe your background in mathematics/science/technology/engineering. (Please indicate the number of advanced level classes you have participated in any of these subjects.)

4. Describe any teaching/education experience you have had. (Please describe your experience working with middle or high school students. Please describe the type of setting - classroom, afterschool program, church, camp. Please indicate the population - urban, suburban, rural, mixed.)

5. What do you think will be your biggest area of need to prepare for being a teacher?

Thank you for your participation.
PROTOCOL: NOYCE SCHOLAR: END OF YEAR ONE KEY INFORMANT INTERVIEW

Informed Consent to Participate in a Research Study

PURPOSE AND BACKGROUND

The purpose of this research study is to learn more about programs for recruiting Science, Mathematics and Technology teachers. The Researchers are Dr. ___ and Nada Djordjevich. You are being asked to participate in this study because you expressed interest in becoming a Noyce scholar.

PROCEDURES

If you agree to participate in this research study, the following will occur:

• you may be selected for interview participation for approximately thirty minutes about the Noyce scholars program and your current teaching placement
• the interview or focus group will be audiotaped to ensure accuracy in reporting your statements.
• the interview will take place by phone or Skype annually at a time convenient for you.
• you will also be asked to participate in an online survey annually.
• artifacts of teaching from the PACT program will be collected and analyzed for review
• local assessment data will be collected from your students in the program and as per guidelines set forth with each participating school
• total time commitment of participants will be 2 hours annually

RISKS

There is a risk of loss of privacy. However, no names or identities will be used in any published reports of the research. Only the researcher will have access to the research data.

CONFIDENTIALITY

The research data will be kept in a secure location, and only the researcher will have access to the data. At the conclusion of the study, all identifying information will be removed and the data will be kept in a locked cabinet or office. Audiotapes or videotapes will be destroyed at the end of the study. Data may be used in the future only for research purposes consistent with the original purpose of the research stated in this consent. If the data is de-identified, i.e all identifiers have been removed including coding.

DIRECT BENEFITS

As a Noyce Scholar participant, you have or will receive a $3000 per quarter scholarship to support their senior and/or credential year

COSTS

There will be no cost to you for participating in this research.

COMPENSATION

There will be no compensation for participating in this research.

QUESTIONS

If you have any further questions about the study, you may contact the researcher by email at __@cuseastbay.edu or phone at 510-XXX-XXXX. Questions about your rights as a study participant, or comments or complaints about the study, may also be addressed to the Office of Research and Sponsored Programs at 510-XXX-XXXX.

CONSENT

You have been given a copy of this consent form to keep.

PARTICIPATION IN THIS RESEARCH IS VOLUNTARY. You are free to decline to participate in this research study, or to withdraw your participation at any point, without penalty. Your decision whether or not to participate in this research study will have no influence on your present or future status at California State University East Bay.

Signature _____________________________ Date: _________
Research Participant ________________________
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NOYCE SCHOLAR: END OF YEAR ONE KEY INFORMANT INTERVIEW

As part of the annual report to the National Science Foundation, an external evaluation firm, Gibson and Associates collects data from Cal State University East Bay current Noyce Scholars and alumni in an effort to provide information for continuous improvement.

Your participation in this questionnaire is completely voluntary, and you may answer only those questions you want to answer. Your answers will be kept confidential, and there is little or no risk or benefit to you in answering these questions. It should take you no more than 15 minutes to complete. Thank you for your review.

Please describe how you became involved and continue to be involved with the Noyce Scholars program.

Please provide information about the CSUEB courses and activities that are most effective at developing your content knowledge and skills as a teacher.

Please provide information about the CSUEB courses and activities that are most effective at preparing you for teaching in an urban environment.

Please provide information about the CSUEB courses and activities that appear to be most effective at supporting you in securing a teaching position.

Do you have other information relative to the program which would improve the quality of the program for future candidates?
Consent and Survey for Noyce Scholars – Post Credential Award

Noyce Scholar Current Teacher - Online Survey

Implied Consent to Participate in Research

Data collected from this confidential survey will be used in research about the Noyce Scholars program at California State University East Bay. The information gathered will be used for research on Noyce Scholars currently teaching math and science. The survey questions will be about your experience in the program and you experience as a teacher. You have been invited to participate because you were a Noyce Scholar. There are no risks or benefits to you in participating in this survey. You may choose to participate or not. You may answer only the questions you feel comfortable answering, and you may stop at any time. If you do not wish to participate, you may simply return the blank survey, with no penalty to yourself. If you do participate, completion and return of the survey indicates your consent to the above conditions.

Please do not put your name on this form.

The survey should take approximately 15 minutes to complete. Any questions or concerns should be directed to the principal investigator, Dr. ____, at ____@cuseastbay.edu or the CSUEB Office of Research and Sponsored Programs at ____@cuseastbay.edu or 510-XXX-XXXX.

1. In what type of school environment are currently teaching?
   - ○ Public Middle School
   - ○ Public High School
   - ○ Private Middle School
   - ○ Private High School
   - ○ Not teaching

2. How many students do you currently teach?
   - ○ 51 to 75
   - ○ 76 to 100
   - ○ 101 to 125
   - ○ 125 to 150
   - ○ 151 to 175
   - ○ 176 or more

3. Please describe how well your experience at CSUEB prepared you for the following?
   - Not at all
   - A little
   - Somewhat
   - Very Much
   - Effective Lesson Planning
   - Collaborating with Others to Plan Lessons
   - Effective Classroom Management and Planning
   - Understanding Science-Math Content
   - Understanding How to Teach Science-Math Content
   - Engaging Students in Science or Math Classes
   - Teaching Students of Varied Needs
   - Teaching Students with Low Literacy Skills
   - Teaching Students with Limited Mathematics Skills
   - Teaching Advanced Students
   - Assessing Student Learning
   - Current Educational Research and Issues

4. What was the most valuable learning aspect of your participation in the Noyce Program?

5. In which area do you wish you had more preparation?

Thank you for your participation.
Protocols: Parents and Guardians of Noyce Scholars
California State University East Bay
Assent to Participate in a Research Study
Noyce Scholars Program

Purpose and Background
Your son or daughter's math or science teacher has been a participant in the Noyce Scholars program at California State University East Bay (CSUEB). All students of Noyce Scholars teachers are asked to participate in a survey. The surveys are conducted during class once a year and data is sent to Dr. ____, a professor at CSUEB. She is conducting research on math and science teachers from the Noyce Scholars program. We are inviting your son or daughter to take part in the research because his/her teacher is in the program.

Procedures
If you agree to allow your son or daughter to participate, the following will occur: Your son or daughter will complete a confidential survey taking ten minutes during class once this year.

Risks
There is a risk of loss of privacy. However, the researcher will not use your son or daughter's name or any other identifying information in any published reports of the research. The research material will be kept in a secure location, and only the researcher will have access to the data. At the conclusion of the study, the researcher will destroy all surveys.

Direct Benefits
There are no direct benefits to you or your son or daughter for participating in this research.

Costs
There will be no cost for participating in this research.

Compensation
There will be no compensation for participating in this research.

Alternatives
The alternative is not to participate in the research.

Questions
You may speak with Dr. ____ about this study and ask any questions by calling her at or email at ____@cuseastbay.edu. You may also ask questions about your rights as a research participant, or send any comments or complaints about the study, to the Office of Research and Sponsored Programs at California State University East Bay at 510-XXX-XXXX or irb@cuseastbay.edu. Participation in the survey is voluntary. Your son or daughter does not have to participate.

Consent: You have been given a copy of this consent form to keep. I understand the purpose and the procedures of the research as stated above, and agree to participate.

Parent or Guardian’s Name (print)_________________________________________

Signature _____________________________ Date: _________

Student Participant’s Name (print)_________________________________________
Purpose of Research
My name is Dr. ____, I am a professor at California State University East Bay and we are conducting a research study about perceptions of Math, Science and Technology Classes. I am inviting you to participate in the research because you are a high school student in California taught by a teacher who attended our program.

Research Procedures
If you agree to participate, you will sign the form below and complete a brief survey.

Risks
The only risk to you is a possible loss of privacy. To protect your privacy, we will not use your name or any other identifying information in the research reports, nor will we provide any individual school, classroom or survey results to any teacher.

Benefits
There is no direct benefit to you for taking part in the research. However, we hope that what we find may inform educators and administrators about students’ perceptions of teaching and learning science.

Costs and Compensation
There will be no costs to you other than your time and any personal transportation costs. You will not be paid for participation.

QUESTIONS
You may speak with Dr. ____ about this study and ask any questions by calling her at or email at ___@cuseastbay.edu. You may also ask questions about your rights as a research participant, or send any comments or complaints about the study, to the Office of research and Sponsored Programs at California State University East Bay at 510-XXX-XXXX or irb@cuseastbay.edu. Participation in the survey is voluntary. Your son or daughter does not have to participate.

Please note that participation in research is voluntary. You may answer only those questions you want to answer, and you may stop participating at any point in the process with no penalty.

Participant’s Name _____________________________________

Participants Signature ________________ Date ________
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NOYCE SCHOLARS: STEM Student Survey Questions

1. Please enter your grade: 9 10 11 12

2. Please describe your interest in the following subjects:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Not at all</th>
<th>Little Interest</th>
<th>Medium Interest</th>
<th>High Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computers/Technology</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>History</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Please indicate your perception of this class.

<table>
<thead>
<tr>
<th>Perception</th>
<th>Never</th>
<th>A little</th>
<th>Sometimes</th>
<th>Most of the Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>I am learning in this class.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>What we learn in this class seems relevant to &quot;real life.&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I work with others during this class.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I understand what is required of me in this class.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I have a chance to speak during this class.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I have opportunities to learn in different ways in this class</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>My teacher understands how I learn best in this class.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>My teacher has high expectations for me in this class.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>My teacher appears prepared for this class.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I am comfortable asking questions in this class.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I know my grades and how I am doing in this class.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Thank you for your participation.
PROTOCOLS: NOYCE STAKEHOLDERS – KEY INFORMANT INTERVIEWS
California State University East Bay Faculty and Administration
Verbal Consent

Hello, my name is XXX and I am conducting an external evaluation of the CSUEB research study of Noyce Scholars. I am interviewing participants and stakeholders connected to the Noyce Scholars program about their participation as part of this study.

The survey will take approximately 15 minutes of your time. Your participation is voluntary, and you may answer only those questions you want to answer. You may stop at any time during the course of the survey. Would you like to participate in the survey? Your answers will be kept confidential, and there is little or no risk or benefit to you in answering these questions.

A. If you don’t need to screen participants:
   and the person says “Yes” to participation, say:
   “Thank you. Here’s the first question.”

   and the person says “No” to participation, say:
   “Thank you for your time. Goodbye.”

The actual research questions are about to begin now.

Questions:
1. Describe the Noyce Scholars program and your role within this program.

2. Please provide information about the courses and activities that you feel have been most effective at
   a.) recruiting Noyce Scholars?
   b.) developing effective STEM teachers (more generally)?
   c.) placing Noyce Scholars in high needs schools?

3. Are there improvements that you might suggest for the program?