

TITLE: MAGNIFYING THE IMPACT OF RESEARCH: Getting Students Excited About Conservation and Science

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Scientific research generally focuses on specific questions and deals with issues important to certain groups, regions or organisms. The people involved in the research and those interested in or affected by the results of the research are the beneficiaries. Magnifying the impact of research, both the process and the outcomes, can have positive effects.

One way to accomplish this is through the active participation of middle and high school students in the scientific process of field research. For the last 30 years NOAA scientists have partnered with Hawai'i Preparatory Academy teachers and students to provide students with the opportunity to assist in the capture and tagging of sea turtles in the coastal waters of Hawaii. Students in the program learn sea turtle biology and ecology, field techniques for handling and working with wild sea turtles, the use of technology to study sea turtle behavior and communication skills while dealing with the public. The skills and experiences that they gain through this unique opportunity make them more knowledgeable, active and dedicated conservationists. For some, these experiences open the way to a career in scientific research and conservation. While it is not always possible to include outsiders in basic research projects, doing so is almost always beneficial to all involved and always leads to better informed citizenry.

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Chinese translation by Connie Ng

標題：刺激學生對保育與科研的參與以放大研究的影響力

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科學研究一般集中於具體問題，並針對處理關於某群體、地區或生物的議題。參與研究的人員和對研究結果感興趣或受其影響的人員是受益群眾。在研究過程及結論時放大其影響力，可產生正面的影響。實現此目標的其中一個方法是刺激初高中學生在科研考察過程的積極參與。在過去 30 年，NOAA 的科學家與 Hawai'i Preparatory Academy 的老師及學生合作，為學生提供機會協助科學家捕捉和標誌夏威夷沿海的海龜。學生可在課程中學習海龜的生物學及生態學、考察及處理野生海龜、使用科技研究海龜的行為、及促進與公眾的溝通技巧。透過這獨特的機會，學生們所建立的技能和經驗，使他們更知識淵博、積極主動，成為專注的保育人士。有些學生更從事於科研和保育的工作。雖然非專業人員並不能完全參與所有研究項目，但鼓勵公民學生參與對所有群眾來說都是有益的，並促成更優良的公民意識。

台灣澎湖縣 2017 年國際海龜保育工作坊。簡報摘要。

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