

2020 Women for ATSU Awards Application	
TIMESTAMP	2/26/2020 10:02:00
PROJECT TITLE	Learning Dentistry through STEAM
FUNDING REQUEST	\$2,200 (with tax/shipping)
PROJECT BUDGET	<p>SCIENCE: Teaching critical thinking through observation and experimentation by creating activities around dental words, matching oral health pictures, and hands-on activities</p> <p>Kinetic sand and word stamper $\\$25 \times 2 = \\50 Colored kinetic sand (5lb) $\\$10 \times 8 = \\80 Oral health locking game $\\$40 \times 2 = \\80 Pull & reveal animal skeleton cards $\\$40 \times 2 = \\80 Magnetic alphabet maze $\\$50 \times 2 = \\100 Moon sand (2lb), spoon, and accessories $\\$20 \times 4 = \\80 TOTAL: \$470</p> <p>TECHNOLOGY: Teaching collaboration and engagement through technology by learning to connect electric circuits, which ultimately end in important dental messages</p> <p>Snap circuits arcade $\\$70 \times 1 = \\70 Snap circuits light electronic exploration kit $\\$90 \times 1 = \\90 Snap circuits motion $\\$10 \times 1 = \\10 Extra disc holder and discs $\\$5 \times 1 = \\5 Egg attachment $\\$5 \times 1 = \\5 TOTAL \$180</p> <p>ENGINEERING: Understanding engineering by designing and building structures which teach a dental lesson</p> <p>Geotrax marble run $\\$60 \times 2 = \\120 Gravity maze $\\$30 \times 2 = \\60 Create & Design drill kit $\\$30 \times 2 = \\60 Labyrinth and extra steel balls $\\$55 \times 2 = \\110 Dominos blank colored $\\$25 \times 1 = \\25 Blank puzzles $\\$15 \times 2 = \\30 TOTAL: \$405</p> <p>ART: Valuing art by creating fun visual projects using dentistry as the target theme</p> <p>Draw & learn studio $\\$30 \times 2 = \\60 Rainbow scratch paper (use with dental tools) $\\$10 \times 10 = \\100 Rock painting kit $\\$15 \times 6 = \\90</p>

	<p>Acrylic markers \$15 x 6 = \$90 TOTAL \$340 MATH: Problem-solving using numbers to understand the importance of primary and permanent teeth Money station \$60 x 1= \$60 Plastic tooth holders for counting \$15 x 2 = \$30 TOTAL \$90 OTHER- EDUCATIONAL IDEAS: Taking stock games and adding a dental message to make it more fun to learn about dentistry Flip and win hangman \$15 x 6 = \$90 Memory game \$15 x 6 = \$90 Touch and match \$30 x 1 = \$30 Matching game \$25 x 1 = \$25 TOTAL \$235 OTHER- DENTAL CREATE & GIVE-A-WAY: Letting the children create dental themed give-a-way items for them to take home Keep calm and smile on bookmarks \$5 x 6 bundles = \$30 Carnival dental knockdown challenge \$30 x 1 = \$30 Create a toothbrush storage box \$1.50 x 200 = \$300 TOTAL \$360 GRAND TOTAL (w/o tax/shipping):\$2080</p>
MINIMUM FUNDING REQUESTED	\$1,500
BRIEF PROJECT DESCRIPTION	<p>Through the Dentistry in the Community (DIC) program, ASDOH dental students learn about the true meaning of serving the community through many outreach opportunities. The first, second, and third year dental students serve at numerous events in at-risk and under-served communities to educate about the importance of good oral health and overall health. One of the most significant populations we serve are the children attending Title I schools in the Alhambra, Apache Junction, Arlington, Avondale, Buckeye, Cartwright, Creighton, Deer Valley, Fowler, Glendale, Isaac, Laveen, Littleton, Madison, Mesa, Murphy, Nadaburg, Osborn, Paradise Valley, Pendergast, Peoria, Phoenix, Roosevelt, Sacaton, Tolleson, Washington, Wilson, and Union School Districts. A Title I school is a federally funded educational program for low-income students who receive supplemental funds to assist schools in meeting student's educational goals.</p>

	<p>This academic year, DIC will serve these Title I schools reaching over 7000 children by introducing STEAM activities at their various events. STEAM is a learning approach that uses Science, Technology, Engineering, Art, and Math to guide students to engage in experiential learning, problem solving, dialogue, critical thinking, and collaboration.</p> <p>Currently, we need funding to create “oral health” STEAM ideas, which connect to each schools targeted STEAM themes to present at these events. We believe this integration of Learning Dentistry through STEAM will make oral health concepts for the children easier to understand and provide needed connections using interactive hands-on learning.</p>
EXPECTED OUTCOMES	<p>The goal of the proposed project is to improve the oral health of children from low-income families attending Title I schools. Dental care is one of our nation’s greatest unmet children’s health needs, especially in low income, minority, and rural communities. 1 Therefore, it is our commitment to provide service-learning opportunities for our dental students to share their dental knowledge with the children living within these communities. In doing so, we hope to fulfill ASDOH’s community-based education model by coordinating student partnerships with communities in need and to encourage our dental students to be community-minded healthcare providers. 2</p> <p>1 From U.S. Department of Health and Human Services Oral Health Strategic Framework, 2016, Public Health Reports, 13(2), p. 242-257.</p> <p>2 From Arizona School of Dentistry & Oral Health. https://www.atsu.edu/asdoh/about/community_education_model.htm</p>
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DEAN'S APPROVAL	Yes