

Team Name: CocoNuts
 Team Number: 2486



Impact Documentation Form

How to use this form

- In the chart, list all teams/events/items that you have documentation for. Please refer to the [Official Impact Definitions](#) for more information on the required/recommended documentation types.
- Label each piece of documentation with a “documentation ID”. Attach the pieces of documentation to this form, in order of Documentation ID, and be sure to label each with its document id.
- **Please only turn in documentation for activities within the past 3-5 years.**

Team 2486 CocoNuts Impact Award Submission 2024

Team Number or Type of Activity & Location <small>(i.e. FIRST Lego League Team 9999 or 2019 District Event - Salem, MA)</small>	Date of Activity <small>(i.e. Fall 2019)</small>	Choose one of the Official Impact Definitions :	Type of Documentation <small>(letter, screenshot, photo, thank you card, etc)</small>	Page in Section
2024 Impact Award Essay and Executive Summaries	2024		Our 2024 Impact Award submission “We Can do Hard Things!”	1-7
2024 Impact Award Presentation Slideshow	2024		Pictures and statistics for our 2024 presentation.	9-17
2024 Impact Award Presentation Script	2024		The script for our 2024 Impact presentation, including each presenter’s piece.	19-22
Award History	2007 - 2024		Year by year record of the awards that the CocoNuts have one in and out of <i>FIRST</i> .	23-25
Our Chain(ge) Reaction	2023		Impact Presentation 2023	27-28

Partnerships and Sponsorships

Team Name: CocoNuts
 Team Number: 2486



Team Number or Type of Activity & Location	Date of Activity	Choose one of the Official Impact Definitions :	Type of Documentation (letter, screenshot, photo, thank you card, etc)	Page in Section
2024 Partnerships & Sponsorships	2023/2024	Partnerships	List and description of each of our partners and sponsors and what we've been able to accomplish together	1-3
2023/2024 Sponsor Letter	Aug. 2023	Partnerships	Letter we use to recruit new sponsors with info about team & how to donate.	5-6
2024 STEMMY Awards recognize Flagstaff STEM Leaders	3/13/24	Community Partnerships & Publicity	AZ Daily Sun Article announcing the Nuts as the STEM Community Partner of the Year	7-9
STEM City: STEMMY Awards 2023/2024	Feb 2024	Community Partnerships	STEM City STEMMY Awards Program 2023/2024	11
Congratulations!! STEMMY Award Finalist – CocoNuts Robotics	Feb 2024	Community Partnerships	Email announcing the CocoNuts as a STEMMY Finalist for 2024	12
Congratulations!! STEMMY Award Finalist – Tawni Slade	Feb 2024	Community Partnerships	Email announcing Tawni (Impact Presenter) as a finalist for STEM Student of the Year	13
Congratulations!! STEMMY Award Finalist – Eugene Ellsworth Bowers	Feb 2024	Community Partnerships	Email announcing Eugene (Lead Builder) as a finalist for STEM Student of the Year	14
NAU: Building an Ecosystem and Model for Growth of Robotics and Technology	Fall 2023	Partnerships	Report from Northern Arizona University to the Sanghi Foundation detailing our efforts in partnership with the Center for Science Teaching and Learning to grow FIRST in Rural AZ.	15-22
Celebrating FIRST Energize 2023	May 2023	Partnerships	Letter sent at the end of the 2023 season to all our sponsors and partners	13-24
Celebrating FIRST Forward 2022	May 2022	Partnerships	Letter sent at the end of the 2022 season to all our sponsors and partners	25-26
Partnerships: Microchip Employees' Business News & Information	Jan/Feb 2023	Partnerships	Description of AZ FIRST's 20 th anniversary & Ashton (AlumNut 2022) receiving Sanghi Scholarship	27-28
2022 Future Engineering Summer Camp Schedule	July 2022	Partnerships	Schedule for summer camp we ran for Northern Arizona University for 50 underrepresented youth	29-31
STEMMY Award Finalist	Feb 2023	Partnerships	Email announcing the CocoNuts as a STEMMY Finalist for 2023	32

Team Name: CocoNuts
 Team Number: 2486



STEM Student of the Year Nomination	Feb 2023	Partnerships	Email announcing Abram (Lead Programmer) as a finalist for STEM Student of the Year for 2023	33
CocoNuts STEMMY Nomination	Jan 2023	Partnerships	Nomination for the CocoNuts for STEMMY	34
STEM City STEMMY Nomination	April 2022	Partnerships	Letter announcing the CocoNuts as a STEMMY Finalist for 2022	35
STEM City STEMMY Nomination	April 2022	Partnerships	Email announcing Hannah (Chairman's Presenter) as a finalist for STEM Student of the Year for 2022	36
Celebrating <i>FIRST</i> Game Changers 2021	May 2021	Partnerships	Letter sent at the end of the 2021 season to all our sponsors and partners	37-38
Celebrating <i>FIRST</i> Rise 2020	May 2020	Partnerships	Letter sent at the end of the 2020 season to all our sponsors and partners	39-40
NAU Center for Science Teaching & Learning	March 2020	Partnerships	Letter from Sean Ryan about our partnership with NAU Center for Science Teaching and Learning to support Lunar Legacy events	41
What is <i>FIRST</i> ?	June & Nov 2020	Partnerships	Screenshots from remote training to recruit new <i>FIRST</i> Teams in partnership with NAU CSTL	42 -44
NSF Review	Jan 2021	Partnerships	Letter of support to National Science Foundation Grant committee on behalf of Killip Elementary School	45
Killip Elementary	Feb 2021	Partnerships	Letter of support from Sheryl Wells, STEM coordinator at Killip about how CocoNuts support neighborhood STEM	46
Flagstaff Unified School District	March 2020	Partnerships	Letter of support from Mary Walton, assistant superintendent about CocoNuts work in community and FUSD	47
GKC Geosciences LLC	Jan 2020	Partnerships	Letter of support from Kent Colbath, long time sponsor, about CocoNuts work in community	48
Coconino High School	March 2020	Partnerships	Letter of support from former CHS principal Stacie Zanzucchi about CocoNuts work in community	49 - 50

Team Name: CocoNuts
 Team Number: 2486



Challenges & Outreach – Navajo (Dine’) Reservation

Team Number or Type of Activity & Location	Date of Activity	Choose one of the Official Impact Definitions :	Type of Documentation (letter, screenshot, photo, thank you card, etc)	Page in Section
“A Mixed Report Card: Fewer American Indians and Alaska Natives are pursuing STEM degrees, according to new federal report, but more are employed in STEM-related fields.”	Feb. 2023	Community	Research paper on indigenous people in STEM	1-3
“The Governor’s Educator Retention Task Force Research & Analysis Report.”	Dec. 2023	Community	Research report on teacher retention challenges in the state of Arizona	4-7
Miss Navajo Nation STEM-sation Event, Kayenta, AZ	April 2024	Outreach	Invitation to outreach event in Kayenta (2.5 hours from Flagstaff) on Dine’ Nation	8
Acknowledging Culture in 21 st Century Learning	Aug. 2023	Outreach	The CocoNuts introduced “RezBotics” and engaged in discussions of STEM challenges on the Reservation at NAU	9-11
KARMA Event allows educators and families to explore culture with engineering	Sep. 2023	Outreach/Media	Article in Navajo-Hopi observer about KARMA event; features discussion of robotics	12
NAU Robotics Education Newsletter	Sep. 2023	Outreach/Media	Newsletter includes invitation to “Growing Culture in 21 st Century Learning” and RezBotics advertisement to teachers across AZ	13-14
Growing Culture in 21 st Century Learning	Sep. 2023	Outreach	The CocoNuts discussed indigenous culture in robotics and worked with teachers starting new robotics teams	15
Dine’ People are the Future STEAM Fair	Oct. 2023	Outreach	2 nd annual STEAM event at Leupp Elementary (1 hour from Flagstaff) on Dine’ Nation – run by the CocoNuts	16
Miss Navajo Nation STEM Event 2023	April 2023	Outreach	Invitation to outreach event in Kayenta (2.5 hours from Flagstaff) on Dine’ Nation; this is where we connected with NTEC to start RezBotics	17-18
Coconino High School Junior receives Adventure Advocate Award	Nov. 2023	Media	Article about Elena, Impact presenter and Dean’s List Finalist, and her advocacy to get indigenous students into outdoor adventure	19-20
Inspired Youth, Inspire You: The FIRST Student Point of View	Sep. 2022	Media	<i>FIRST</i> website and interview about Alicia, Impact lead and Dean’s List Finalist about being an indigenous women in <i>FIRST</i>	21-24
Dine’ People are the Future STEAM Fair	Jan. 2023	Outreach	1st annual STEAM event at Leupp Elementary (1 hour from Flagstaff) on Dine’ Nation – run by the CocoNuts	25

Team Name: CocoNuts

Team Number: 2486



Miss Navajo Nation STEM Night	Feb. 2023	Outreach	Email exchange with Kayla Bia, coordinator for Miss Navajo STEM Fair	26-27
Leupp Robotics	Feb. 2023	Outreach	Email exchange with Anne Hamlin (NAU Center for Science Teaching & Learning) and Ryan Chee (principal of Leupp) about starting robotics at his school	28-29
<i>FIRST</i> Build the Future Spotlight: CocoNuts – Building for the sake of Humanity	May 2022	Media	Article from <i>FIRST</i> 's Build the Future blog about our work on the Dine' Nation	30-31
Inspiration is Everywhere: <i>FIRST</i> Team inspires STEM interest in Underserved Communities	Feb. 2022	Media	Article from <i>FIRST</i> 's partnership with STAR WARS FORCE FOR CHANGE	32-34
Sophomore becomes mentor for rez robotics teams	April 2022	Media	Article from Navajo Times about Alicia (Dean's List Finalist) and her work to mentor indigenous teams	35

Team Name: CocoNuts
 Team Number: 2486



RezBotics – *FIRST* Robotics on the Navajo (Dine’) Nation

Team Number or Type of Activity & Location	Date of Activity	Choose one of the Official Impact Definitions :	Type of Documentation (letter, screenshot, photo, thank you card, etc)	Page in Section
2023/2024 RezBotics Team Locations	Jan. 2024	Starting Teams	Map of RezBotics Teams with distances to Flagstaff (home of the CocoNuts) and Tsalie (location of Dine’ College qualifier)	1
RezBotics – Season 2!	April 2024	Starting Teams	Recruitment flyer for season 2 of RezBotics – to be distributed at STEM events and to schools on the Reservation	3
Navajo Transitional Energy Company	April 2024	Starting Teams, Running Events, Partnerships	Letter from Nathan Tohtsoni & Andy Hawkins from NTEC: Describes RezBotics partnership and accomplishments + asks for support from Senator Kelly’s office to expand program	4-5
Microchip Technology, Inc	April 2024	Starting Teams	Letter of support for expanding RezBotics from Rich Simoncic, Chief Operating Officer of Microchip and President of AZFirst	6
Coconino High School	April 2024	Starting Teams	Letter of support for expanding RezBotics from Coconino High School administration	7
Expanding RezBotics in Arizona (ERA)	April 2024	Starting Teams	Project proposal for \$215,350 to Senator Kelly’s office to the Fund for Improvement of Education to expand RezBotics	9-15
RezBotics: <i>FIRST</i> Robotics is now on the Rez!	Sept. 2023	Starting Teams	Recruitment flyer for pilot RezBotics season	17
2023 “RezBotics” Kickoff	Sept. 2023	Partnerships	Flyer for RezBotics teachers receive free professional development hours from NAU’s Center for Science Teaching and Learning for training.	18
Arizona <i>FIRST</i> Tech Challenge & NTEC RezBotics Workshop	Sept. 2023	Starting Teams	Agenda for RezBotics teacher training at St. Michael’s Indian School	19
First Inaugural REZBOTICS Competition!	Jan. 2024	Media	NAU Robotics Education newsletter about the Dine’ College tournament	21-23
From illegal parts to nationals: How the Shiprock High robotics team is making a debut	Jan. 2024	Media	Article in Tri-City Record about the Team of Navajo Kids in Shiprock (TONKIS) who qualified for the AZ Championship	25-30
Shiprock HS robotics team competing in nationals in February	Jan. 2024	Media	New Mexico News Article about the Team of Navajo Kids in Shiprock (TONKIS) who qualified for the AZ Championship	31

Team Name: CocoNuts

Team Number: 2486



Central Consolidated School District News Article	Jan. 2024	Media	Central Consolidated News Article about the Team of Navajo Kids in Shiprock (TONKIS) who qualified for the AZ Championship	32
TONKIS – Shiprock High School	Jan. 2024	Supported Teams	Team of Navajo Kids in Shiprock Engineering Portfolio describing their season	33-34
Wingate High School Robotics Team Places at the Dine’ College FIRST Tech Challenge first annual RezBotics Competition	Jan. 2024	Started Teams & Run Events	Article about team “Shash” from New Mexico competing in RezBotics 2023/2024 season	35-36
Navajo Code Writers St. Michael’s Indian School	Jan. 2024	Supported Teams	Navajo Code Writers Engineering Portfolio describing their season	37-38
CSTL Robotics Ed Newsletter	Jan. 2024	Run Events	Letter from Stephanie Jackson, indigenous PD coordinator at NAU CSTL about volunteer experience at Dine’ College Qualifier	39
Navajo Mountain Robotics Team make Arizona state Finals	Feb. 2023	Run Events Supported Teams	Navajo Times article on Rocksisaan Tech qualifying for AZ FTC Championship	40-41
Little Singer Community School	Feb. 2020	Supported Teams	Letter from Tom Tomas, Little Singer Community School (1 hour from Flagstaff) about supporting his Robotics team	42
Naatsis’aan Robotics, Navajo Mountain, UT	March 2020	Supported Teams	Letter from Heather Anderson, coach of Navajo Mountain team, about our support	43 - 44
2021 STEM Grant Awards & Spotlight on STEM Grantee	Oct. 2021	Started Teams	AZ Center for After School Excellence website detailing our grant to start FTC teams on the Navajo Reservation + our work with Tynkertopia	45 – 46
Little Singer Community School Robotics	2021 & 2020	Mentored Teams	Thank you letter from Tom Tomas for our mentorship of Little Singer School (1 hour from Flagstaff)	47 - 48
Little Singer Community School	Feb. 2020	Mentored Teams	Letter from Principal of Little Singer School (1 hour from Flagstaff) for our work with their STEM programs & robotics teams	49
T-Bird Robotics, Tuba City Boarding School	March 2020	Started Teams	Letter from Craig Young, Robotics coach at Tuba City Boarding School (1.25 hours from Flagstaff) about the training we did for his team	50
Electro Mutton Nation & Dishchiii’bikoh Robotics		Supported Teams	Thank you letter from FLL teams in Window Rock (Navajo) White Mountain (Apache) Reservation	51-52

Team Name: CocoNuts
 Team Number: 2486



Advocacy for STEM Education

Team Number or Type of Activity & Location	Date of Activity	Choose one of the Official Impact Definitions :	Type of Documentation (letter, screenshot, photo, thank you card, etc)	Page in Section
Arizona Advocacy Training	April 2024	Advocacy	Training slides for the 2024 Arizona Advocacy Conference – Remote training for 9 AZ teams April 9, 2024	1-5
The Second Annual Arizona Advocacy Day	May 2024	Advocacy	Flyer for 2 nd Annual Arizona Advocacy Day for FIRST Teams at the AZ Capitol, May 1, 2024	6
Arizona Advocacy Conference Hosted by Team 2486	May 2023	Advocacy	Flyer for 1 st Annual Arizona Advocacy Day for FIRST Teams at the AZ Capitol, May 3, 2023	7
Arizona House of Representatives – David Cook	Dec. 2023	Advocacy	Letter clarifying the budget item - \$10,000 per year for our team and for 8087 CPR in Show Low	8
Arizona House of Representatives – Committee on Appropriations	May 2023	Advocacy	State budget with funding for Flagstaff robotics for FY 2024, 2025, 2026	9-10
2024 11 th Annual National Advocacy Conference	June 2024	Advocacy	Flyers for 2024 NAC – we are attending and passing out at “STEM Advocacy in a Nutshell” workshop at 2024 FIRST Championship	11
Congressional Calendar	July 2022	Advocacy	Announcement that the NAC teams successfully helped pass the CHIPS Act.	12
Advocacy 101	Sep 2023 & Jan 2024	Advocacy	Workshop for FIRST Teams – Presented at AZFTC Kickoff and AZFRC Kickoff + 2024 FIRST Championship	13-17
FTC Team 9695	Feb. 2024	Advocacy	Engineering Portfolio showing their involvement with AAC 2023	19
FTC Team 10984	Feb. 2024	Advocacy	Engineering Portfolio showing their involvement with AAC 2023	20
FTC Team 14254	Feb. 2024	Advocacy	Engineering Portfolio showing their involvement with AAC 2023	21
FTC Team 18625	Feb. 2024	Advocacy	Engineering Portfolio showing their involvement with AAC 2023	22
NAC 2021 @ Home	July 2021	Advocacy	Confirmation of participating in NAC 2021 @ Home + Meeting minutes for our remote meetings with Sen. Kelly, Rep O’Halloran, Sen. Sinema	23-27

Team Name: CocoNuts
 Team Number: 2486



Running & Supporting *FIRST* Events

Team Number or Type of Activity & Location	Date of Activity	Choose one of the Official Impact Definitions :	Type of Documentation (letter, screenshot, photo, thank you card, etc)	Page in Section
<i>FIRST</i> Events List	2020-2024	Run, Support & Sponsor Events	List of all the events we've run, supported and sponsored in FLL, FTC and FRC since 2020. Includes number of participants and volunteer hours.	1
Program Delivery Organizations	2023	Run AZ FTC	Excerpt from 2023 <i>FIRST</i> Annual Report listing the CocoNuts as the official Program Delivery Organization for AZ <i>FIRST</i> Tech Challenge	3-6
2023 Arizona <i>FIRST</i> Tech Challenge Kickoff	Sept. 2023	Run AZ FTC	Kickoff schedule, including workshop descriptions	7-9
Judges Needed – AZ FTC State Championship	Jan. 2024	Run AZ FTC	Email from Elaine Michaud, AZ FLL partner, to all FLL coaches asking for help with volunteers, and acknowledging CocoNuts roll in AZFLL	11
Arizona FTC Championship 2023	Feb. 2023	Run AZ FTC	Program from 2023 AZFTC Championship – 48 teams competing, CocoNuts running event	13-16
CocoNuts Outstanding Volunteers for AZ FLL State Championship	Jan. 2023	Support AZ FLL	Email from AZ FLL/FTC/FRC Head Referee Rich Gomez announcing CocoNuts as Outstanding Volunteers for our work in AZ <i>FIRST</i>	17
2023 FRC Workshop Agenda	Jan. 2023	Support AZ FRC	Workshop agenda showing sessions put on by the CocoNuts to support AZ FRC Teams	18 – 19
2022 Arizona <i>FIRST</i> Tech Challenge Kickoff	Sept. 2022	Run AZ FTC	Kickoff schedule, including workshop descriptions	20 – 22
2023 Lunar Legacy Invitational	May 2023	Run Off-season events	Lunar Legacy Invitational flyer for May 2023 event, run by the CocoNuts	23
Ken Johnson, Director, <i>FIRST</i> Tech Challenge	Feb. 2020	Run AZ FTC	Letter from former FTC Director Ken Johnson thanking us for running AZFTC after attending our Championship	24
Susan Garduno, Arizona Senior Mentor		Run AZ FTC	Letter from <i>FIRST</i> Senior Mentor Susan Garduno, thanking us for our volunteer hours across all <i>FIRST</i> programs	25
Catholic Master Builders	March 2022	Run AZFTC	Letter from CMB coach explaining our impact on Arizona FTC	26
2021 Arizona <i>FIRST</i> Tech Challenge Virtual Kickoff	Sept. 2021	Run AZFTC	Workshop agenda for remote Kickoff for AZFTC 2021 season.	27-31

Team Name: CocoNuts

Team Number: 2486



Marissa Lucas, Project Manager FIRST Tech Challenge	June 2020	Run AZFTC	Thank you for being panelists during remote Program Delivery Partner conference.	32
Laura Grosso, AZ FLL Partner	Jan. 2020	Support AZ FLL	Letter thanking us for running Flagstaff FLL qualifier, supporting new events statewide, and volunteering at AZ FLL Championship.	33
Best Practices for Recording Workshops	July 2020	Run AZFTC	Document for Workshop presenters for remote Kickoff to share expertise during COVID.	34-41
Charlotte Ackerman	Jan. 2021	Run AZ FTC	Thank you letter from a Tucson FTC coach.	42
Views for AZ FIRST Tech Challenge Blog & Event Live Stream	March 2020	Run AZFTC	Screen shots showing traffic on AZFTC Blog (weekly newsletter for teams) and live streams (each event is streamed for the community)	43 – 44
Virtual FTC Scrimmage	Nov. 2020	Run AZFTC	Remote scrimmage with new scoring system and mock presentations to prepare teams for 2020/2021 remote format.	45-46
Rick Kale, North Phoenix FLL	Feb. 2020	Support AZ FLL	Letter from North Phoenix tournament director thanking us for coming down to help run his event.	47
Vic Revel, North Phoenix FLL	Feb. 2020	Support AZ FLL	Letter from North Phoenix tournament director thanking us for coming down to help run his event.	48
Beep Patrol, Litchfield Park	March 2019	Run AZ FTC & Support AZ FLL	Thank you letter from coach	49
Anna Newley, Phoenix		Run AZ FTC	Thank you letter from coach	50
Charlotte Ackerman, Tucson		Run AZ FTC	Thank you letter from coach	51
botCatz, Phoenix	Jan. 2020	Run AZ FTC	Thank you letter from coach	52
MetroTech High School, Phoenix	Feb. 2020	Run AZ FTC	Thank you letter from coach	53 – 54
Stinger Robotics, Cave Creek		Run AZ FTC	Thank you letter from coach	55
Beep Patrol, Litchfield Park		Run AZ FTC & Support AZ FLL	Thank you letter from team	56
San Miguel High School, Tucson	March 2020	Run AZ FTC	Thank you letter from coach	57

Team Name: CocoNuts
 Team Number: 2486



Knights of the Lab Table, Gilbert	March 2020	Run AZ FTC	Thank you letter from coach	58
Odyssey Automaton, Buckeye	March 2020	Run AZ FTC	Thank you letter from coach	59
The Clueless, San Diego, CA	Feb. 2020	Run AZ FTC	Thank you letter from coach	60
Enigma, New Mexico		Run AZ FTC	Thank you letter from team	61
Data Force, Colorado	Feb. 2020	Run AZ FTC	Thank you letter from coach	62
FTC 15652 & 16258, Colorado	Feb. 2020	Run AZ FTC	Thank you letter from coach	63
Mechanical Advantage, Colorado	Feb. 2020	Run AZ FTC	Thank you letter from coach	64
ACE Robotics, Scottsdale	Feb. 2020	Run AZ FTC	Thank you letter from coach	65
Dr. Woodie Flowers	Feb. 2019	Run AZ FTC	Letter from Woodie letting us know he would be attending AZFTC Championship	66
AHERT Ravens, New Mexico		Run AZ FTC	Thank you letter from coach	67 - 68

Team Name: CocoNuts
 Team Number: 2486



IMPACT of *FIRST* on STUDENTS

Team Number or Type of Activity & Location	Date of Activity	Choose one of the Official Impact Definitions :	Type of Documentation (letter, screenshot, photo, thank you card, etc)	Page in Section
AlumNut Database		Impact	Spreadsheet with all our "AlumNuts" showing where they went to college, if they are first-generation college students, and continued involvement in FIRST	1-2
CTE Month	Feb. 2023	Impact	Article on Noah Temprendola, AlumNut class of 2022 and Dean's List Finalist	3-4
80 Flinn Scholarship Semifinalists Advance to Interviews	Nov. 2021	Impact	Article listing Oscar Landa Samano, AlumNut class of 2022, as a finalist for the prestigious Flinn Scholarship. Oscar is a first-generation college student.	5-6
FUSD Newsletter	Fall 2021	Impact	Article listing Oscar Landa Samano, AlumNut class of 2022, as the 2021 STEM Student of the Year. Oscar is a first-generation college student.	7-8
Congratulations 2021 STEM City STEMMY Award Recipients	Fall 2021	Impact	Article listing Oscar Landa Samano, AlumNut class of 2022, as the 2021 STEM Student of the Year. Oscar is a first-generation college student.	9-10
2019 FIRST Championship Showcase Script	April 2019	Impact	The CocoNuts presented at the FIRST Championship showcase with Dr. Woodie Flowers about the impact of FIRST on our team.	11-14
Zoom Call with AlumNut Maddie	Dec. 2021	Impact	Remote call with Maddie Burris, AlumNut class of 2010, who now works for Ball Aerospace.	15
ASU Engineering		Impact	Letter from Zach Smith, AlumNut class of 2019, about how being a CocoNut prepared him to study engineering. Zach interns now at JPL.	16
Meghann	March 2020	Impact	Letter from Meghann Boland, AlumNut class of 2013, who is now interning at NASA.	17
David Tafoya	April 2019	Impact	Letter from David Tafoya, AlumNut class of 2016, about his new research position.	18
The Flagstaff STEM Awards	2019	Impact	Article recognizing CocoNuts Zach Smith, Baylee Stringer, and Max Woolverton as STEM students of the Year.	19

Team Name: CocoNuts
 Team Number: 2486



FIRST Team Support

Team Number or Type of Activity & Location	Date of Activity	Choose one of the Official Impact Definitions :	Type of Documentation (letter, screenshot, photo, thank you card, etc)	Page in Section
FTC Teams 12767, 13910, 22295, 17062, 23766, 23945, 23950, 24747, 24286	Fall 2023	Assist	CocoNuts FTC Registration Grant applications, amount awarded, and season results for the 9 teams we sponsored for 2023/2024 season	1-9
FTC Team 22295	Feb. 2024	Assist	Engineering Portfolio page recognizing the CocoNuts as an official team sponsor.	11
FTC Team 13910	Feb. 2024	Assist	Engineering Portfolio page recognizing the CocoNuts as an official team sponsor.	12
FJA Tech Squad	Feb. 2024	Assist	Thank you note from the team thanking us for sponsorship.	13
FTC Team 17062	Feb. 2024	Assist	Engineering Portfolio page recognizing the CocoNuts as an official team sponsor	14
FTC Team 24247	Feb. 2024	Assist/Mentor	Engineering Portfolio page recognizing the CocoNuts as an official team sponsor and mentor of their team.	15-16
Sinagua Robotics	Feb. 2024	Mentor	Engineering Portfolio page recognizing the CocoNuts as a mentor of their team.	17-18
2023 "FLL in a Nutshell" Training	Fall 2023	Start teams	Flyer for teachers participating in FLL in a Nutshell training enabling them to receive free Professional Development hours from NAU.	19
Swerve Drive in a Nutshell	Jan. 2024	Provide Resources	Workshop presented at FRC Kickoff 2024 to help teams get started programming a swerve drive.	21-25
Expanding Opportunities using your FIRST Experience	Sept. 2023, Jan 2024, April 2024	Provide Resources	Workshop presented at FTC Kickoff 2023, FRC Kickoff 2024, and FIRST Championship Conferences on how to use FIRST experience to apply for college and scholarships.	27-32
How to Plan a STEAM Fair in a Nutshell	Sept. 2023, Jan 2024, April 2024	Provide Resources	Workshop presented at FTC Kickoff 2023, FRC Kickoff 2024, and FIRST Championship Conferences on how to plan and execute a student-led STEAM fair.	33-38
Sedona Scorpions & SHASH	Nov. 2023	Assist	Thank you notes from two teams after High Country (Flagstaff) FTC Qualifier	39

Team Name: CocoNuts
 Team Number: 2486



FJA Announcement	Feb. 2024	Assist	Flagstaff Junior Academy Robotics team qualifies for AZ Championship!	41
FTC Teams 22120, 15461	Fall 2022	Assist	CocoNuts FTC Registration Grant applications, amount awarded, and season results for the 2 teams we sponsored for 2022/2023 season	43-44
Degrees of Freedom	Fall 2022	Assist	Story from Degrees of Freedom FRC about partnering with us at the Arizona Robotics League.	45
Junkyard Robots	June 2022	Assist	Email from a team in New England that used our "Junkyard Robots" activity as an outreach event to their school district.	46
Foothills Cat -3	Feb. 2023	Assist	Engineering Portfolio page & thank you note recognizing the CocoNuts as an official sponsor of their team.	47 – 48
Mustang Robotics	Feb. 2023	Mentor	Engineering Portfolio page recognizing the CocoNuts as a mentor of their team.	49-52
Flagstaff Community Christian School	Feb. 2023	Start & Mentor	Thank you letter for FLL in a Nutshell training & mentorship. One of these teams qualified for the 2024 FIRST Championship!	53
2021/2022 CocoNuts Registration Grant Applications	Fall 2021	Assist	CocoNuts FTC Registration Grant applications, amount awarded for the 8 teams we sponsored for 2021/2022 season	55
Catholic Master Builders	Feb. 2022	Assist	Engineering Portfolio page recognizing the CocoNuts as an official sponsor of their team.	56
Panther Robotics	Feb. 2022	Assist	Engineering Portfolio page recognizing the CocoNuts as an official sponsor of their team.	57
FTC 15461	Feb. 2022	Assist	Thank you note recognizing the CocoNuts as an official sponsor of their team.	58
Knight Tech Robotics	Feb. 2022	Assist	Engineering Portfolio page recognizing the CocoNuts as an official sponsor of their team.	59
Minimum Wagers	Feb. 2022	Assist	Engineering Portfolio page recognizing the CocoNuts as an official sponsor of their team.	60
Sinagua Robotics	Feb. 2022	Mentor	Engineering Portfolio page recognizing the CocoNuts as a mentor of their team.	61-62
Ticket to Paradise	Feb. 2022	Assist	Engineering Portfolio page recognizing the CocoNuts as an official sponsor of their team.	63

Team Name: CocoNuts
 Team Number: 2486



Sunrise Koolbotics	Feb. 2022	Assist	Engineering Portfolio page recognizing the CocoNuts as an official sponsor of their team.	64
2020/2021 COVID Relief Grant Applications	Fall 2020	Assist	CocoNuts FTC Registration Grant applications, amount awarded for the 6 teams we sponsored for 2020/2021 season	65-66
Girls in Tech Phoenix	Nov. 2020	Assist	Thank you note recognizing the CocoNuts as an official sponsor of their team.	67
Dragons	Fall 2020	Assist	Thank you note recognizing the CocoNuts as an official sponsor of their team.	68
Titan Robotics	Fall 2020	Assist	Thank you note recognizing the CocoNuts as an official sponsor of their team.	69
FRC 4817 One Degree North	March 2022	Assist	Engineering documentation from a team from Singapore. The team couldn't travel, but they sent us their robot and we drove it in the Arizona Regional (and helped them win the Quality Award!)	70-71
Catholic Master Builders	April 2019	Assist	Thank you note from AZ FTC team thanking us for taking their robot and pit to FIRST Championship	72
3512 Won a Chairman's!	April 2022	Assist	Thank you note from Spartatroniks for the Chairman's exchange and time we spent helping their presentation team get ready for competition.	73
102 The Gear Heads	March 2022	Assist	Thank you note from Gear Heads (NJ) for the Chairman's Exchange, which helped them win the Chairman's award in their district!	74
FIRST Ambassador Additional Tournaments	Feb. 2022	Assist	Letter from FRC 1868 Space Cookies about serving as a menstrual equity ambassador.	75
FLL in a Nutshell 2021	Sept. 2021	Assist	Remote FLL in a Nutshell session for FLL teams in Thatcher, AZ	76
Anthem Robotics	Sept. 2021	Assist	Emails setting up a time for the CocoNuts to travel to Phoenix to do a FRC rookie build session with a new team.	77-78
FRC 166 Chop Shop	March 2021	Assist	Remote Chairman's Exchange with Chop Shop (NH)	79-80
MYRFCHO: Miss You Robot Friends, Come Hang Out	Jan 2021	Assist	Remote Kickoff hangout event during COVID shut down	81
FRC 166 Chop Shop	July 2020	Assist	Remote call with Chop Shop (NH) on imagery and marketing	82

Team Name: CocoNuts

Team Number: 2486



Hardlus 15704, Mexico	Jan. 2021	Assist	Zoom call with an FTC team in Mexico interested in starting an "Inspire Exchange" modeled on our Chairman's Exchange	83-84
Betsy Daniels, Senior Program Manager, FLL		Assist Teams & Run events	Letter from Betsy Daniels, former program manager for FLL at FIRST headquarters about our FLL in a Nutshell program becoming the basis for a pilot program for all 4 th graders in Manchester, NH.	85
FLL in a Nutshell Training Rosters	2014-2019	Start & Assist Teams	Roster of teams and locations for first 5 years of FLL in a Nutshell trainings across Northern Arizona.	86
Killip Elementary School	Jan. 2020	Mentor teams	Letter from Sheryl Wells, STEM coordinator and robotics coach at Killip Elementary about mentoring her teams.	87
BASIS Flagstaff	Oct. 2019/ Feb. 2020	Start/Mentor Teams	Letters from Jean-Marc Patnoe thanking us for FLL in a Nutshell training and mentoring his team.	88-90
Coralee Norris	Feb. 2020	Mentor teams	Letter from coach of Cornerstone Christian Academy FLL team thanking Nuts for training and mentorship	91
Galaxy Quest	Feb. 2020	Assist teams	Thank you letter from community team thanking us for scrimmages.	92
Marshall Elementary	March 2020	Assist teams	Thank you letter for FLL in a Nutshell training.	93
Cromer Elementary	Feb. 2020	Mentor teams	Thank you letter for mentoring FLL team.	94
Route 66 4-H STEM Club		Mentor teams	Thank you letter from FLL team for mentoring.	95
FRC 7897, Autobarks, Winslow, AZ		Mentor teams	Thank you letter from FRC coach (1 hour away) for mentoring their rookie FRC team.	96
Dragon Robotics, FRC 2375, Phoenix, AZ	Feb. 2020	Assist Teams	Thank you letter for helping host FTC teams and collaboration with FRC team.	97
CPR, FRC 8087, Show Low, AZ		Assist teams	Thank you letter for helping them through their rookie season	98
Catholic Master Builders	March 2022	Assist teams & running AZFTC	Thank you letter for running AZFTC, helping the team get to FIRST Championship, and being role models.	99
FLL 32899, Snowflake, AZ	Jan. 2020	Assist teams	Thank you letter for help at AZ FLL Scrimmage	100
Mechanical Mustangs, FLL 25952, Heber, AZ	Jan. 2020	Assist teams	Thank you letter for running events, assisting team, being role models	101-102

Team Name: CocoNuts
 Team Number: 2486



Chairman's Exchange – Las Vegas Regional	March 2020	Assist Teams	Flyer for a Chairman's Exchange hosted by Sin City Robotics	103
Houston Championship Chairman's Exchange	April 2019	Assist Teams	Team roster for FIRST Championship Chairman's Exchange	104
The Chairman's Exchange		Assist Teams	Explanation of the Chairman's (now Impact) Exchange Initiative and rosters from the first few years	105-114
inFALAbles		Assist Teams	Thank you letter for FLL and FTC events and mentoring.	115
Thanks CocoNuts		Assist Teams	Thank you poster!	116
FRC 4985 ElkSPLOSION, Eager, AZ		Mentor teams	Thank you letter for mentorship and work days in Flagstaff	117-118
Globe FLL, FTC, FRC teams		Assist teams	Thank you letter	119
FRC 60 Bionic Bulldogs, Kingman, AZ		Assist teams	Thank you letter	120

Team Name: CocoNuts
 Team Number: 2486



Community Outreach & Media

Team Number or Type of Activity & Location	Date of Activity	Choose one of the Official Impact Definitions :	Type of Documentation (letter, screenshot, photo, thank you card, etc)	Page in Section
Outreach Events, Professional Presentations, Workshops, Published Resources and Media Index	2020-2024	Reached people	Database of outreach events since 2020 with time spent, people reached, and location.	1-5
CocoNuts Robotics Team named 2024 STEM Community Partner of the Year, win FIRST Impact Award	March 2024	Media	Flagstaff Unified School District Newsletter Article	7-8
Flagstaff STEM City Announces STEMMY Nominations	March 2024	Media	AZ Daily Sun Article Recognizing CocoNuts as finalists for STEM Partner of the Year and Tawni and Eugene as finalists for STEM Student of the Year	9
2024 Flagstaff STEM Celebration planned for April 27	March 2024	Media	AZ Daily Sun Article about the community wide STEM celebration for 2024, one of our biggest outreach events of the year	11-12
STEM Celebration	March 2024	Media	Flagstaff Unified School District Newsletter Article about the community wide STEM celebration for 2024	13
2023 STEM Celebration	March 2024	Media	STEM City Website advertising this year's event and showcasing statistics for 2023: 72 exhibits & 2500+ attendees	14
Festival of Science 2023 schedule	Sept. 2023	Media	Science in the Park + Race Robots with the CocoNuts!	15 – 17
Coconino County Fair 2023	August 2023	Reached	Coconino County Fair exhibit listing on website	18
Flagstaff Festival of Science Thank You!	Sept. 2023	Reached	Thank you note with feedback from the festival	19-20
3 rd Annual Tambien Lo Puedo Hacer	Nov. 2023	Reached	Flyer for the CocoNut-run STEM fair at Killip Elementary	21
Dine' College Qualifier Video for AZFirst Shotlist	Jan. 2024	Media	Shot list and interview questions to take video at the Dine' College Qualifier	23-24
Help FIRST Empower students in all parts of the world by providing access to STEM programs	Dec. 2023	Media	Marketing email from FIRST featuring our "FIRST Encourages STEM Opportunities for Students in Rural Arizona" video	25
Transcript - "FIRST Encourages Students in Rural Arizona"	Oct. 2023	Media	Script for "FIRST Encourages STEM Opportunities for Students in Rural Arizona" video	27-29

Team Name: CocoNuts
 Team Number: 2486



FIRST and i.am.angel Foundation Host Fundraising Gala	Dec. 2023	Media	FIRST Press Release about the FIRST Inspire Gala, where "FIRST Encourages STEM Opportunities for Students in Rural Arizona" video premiered	31-32
FIRST Inspires: "Let me Tell you a Story"	Oct. 2023	Media	Shot list and process for Hardpin media to come to Flagstaff and create "FIRST Encourages STEM Opportunities for Students in Rural Arizona" video	33
CocoNuts helping to expand FIRST Robotics Competitions, STEAM Opportunities to rural Arizona communities	Jan. 2024	Media	Flagstaff Unified School District newsletter about RezBotics competition and link to "FIRST Encourages STEM Opportunities for Students in Rural Arizona" video	34
CocoNuts win Engineering Inspiration Award at World Competition	April 2023	Media	FUSD Newsletter article about our 2023 World Championship Engineering Inspiration Award win	35-36
Monterey Bay Regional – Impact Award & Daly Division Engineering Inspiration Award	March 2023	Media	FIRST California website with Monterey Bay Regional Results FIRST Website with 2023 Championship Results	37 – 38
CocoNuts win Engineering Inspiration Award at Robotics World Championship	May 2023	Media	AZ Daily Sun article about our EI win at Worlds!	39-41
CocoNuts win award for Autonomous programming at regional robotics competition	April 2023	Media	AZ Daily Sun article about autonomous award at AZ East Regional	43-46
Record Breaking Crowds Celebrate Youth Robotics Teams	April 2023	Media	FIRST press release about 2023 FIRST Championship & award winners	47-48
Gallery: High Altitude Robotics Extravaganza at Coconino	Dec. 2023	Media	AZ Daily Sun photo gallery about our double robotics tournament in Flagstaff (FLL & FTC)	49-50
CocoNuts preparing for season kickoff after busy fall season	Jan. 2024	Media	AZ Daily Sun article about fall 2023 events, including High Altitude Robotics Extravaganza and RezBotics	51-56
NAU Robotics Education Newsletter	Oct. 2023	Media	Newsletter showcasing Dine' People are the Future STEM Fair, RezBotics, Growing Culture in 21 st Century Learning	57-60
Zanzucchi Reflects on time as Coconino High School Principal	June 2023	Media	Long time principal discusses CHS programs, including robotics.	61-62
100 Yards of Education: A STEM Playbook for Youth	Jan. 2023	Reached	Super Bowl STEM Fair down in Phoenix	63 -64
Tambien Lo Puedo Hacer (I can do it Too!)	Feb. 2023	Reached	Flyer for the CocoNut-run STEM fair at Killip Elementary	65 – 66
Coconino County Fair	Aug. 2022	Reached	Coconino County Fair exhibit listing on website	67-68

Team Name: CocoNuts
 Team Number: 2486



STEM City News Brief	Aug. 2022	Media	STEM City Newsletter spotlighting STEM Celebration and 2022 STEMMYs (Alicia and Hannah were STEM Students of the Year!)	69-72
Flagstaff Unified School District Annual Report	2022	Media	FUSD publication spotlighting success in the district	73
CocoNuts Robotics team continues winning competitions, awards	April 2022	Media	Flagstaff Unified School District article on Utah Regional Chairman's Award, AZ Engineering Inspiration, and Championship Woodie Flowers	74
CocoNuts win regional awards, prepare for world Championship	April 2022	Media	AZ Daily Sun article about Utah Regional Chairman's Award	75-77
Flagstaff Unified School District Override	Fall 2022	Media	Advertisement highlighting district programs that would benefit from bond override passing	78
2022 FIRST Annual Impact Report	Dec. 2022	Media & Run AZFTC	FIRST Annual report with articles on CocoNuts "Building Robots in Rural Communities" and 2022 Woodie Flowers Award (Christine Sapio) + listing CocoNuts as official Program Delivery Organization for AZFTC	79-82
Meet the Teams Building a Better Future with STAR WARS: Force for Change	July 2022	Media	Article about the CocoNuts on the Star Wars: Force for Change website	83-85
FIRST Championship Conferences	April 2022	Reached	Workshop descriptions for FIRST Championship Conferences "Running a FIRST Tournament in a Nutshell" and "Junkyard Robots"	86-88
Running a FIRST Event in a Nutshell	April 2022	Reached	Workshop presentation on running FIRST events for students for 2022 FIRST Championship	89-93
Junkyard Robots		Reached	How-to guide for our Junkyard Robots outreach activity	95-96
CocoNuts robotics team qualifies for world championships	March 2022	Media	AZ Daily Sun Article spotlighting AZ North Engineering Inspiration and Dean's List Finalist Awards	97-103
Northern Arizona Prep Sports	Feb. 2022	Media	Interview with Northern Arizona sports show about CocoNuts	104
CocoNuts robotics team returns to in-person events	Dec. 2021	Media	AZ Daily Sun article about Flagstaff FLL qualifier	105-106
CocoNuts Robotics Team back in action for FIRST Lego League Robotics Tournament	Dec. 2021	Media	FUSD website article about Flagstaff FLL qualifier	107-108
CocoNuts Robotics team is back in action, busy with various competitions	Dec. 2021	Media	FUSD newsletter article about Flagstaff FLL qualifier	109

Team Name: CocoNuts

Team Number: 2486



Tambien Lo Puedo Hacer (I can do it too!) STEM Festival	Nov. 2021	Reached	Flyer for 1 st annual Tambien Festival, run by CocoNuts	110
Future City Competition	Jan. 2022	Reached	Program for Future City at Sinagua Middle School – Nuts volunteered as judges	111-112
Flagstaff Festival of Science Passport	Sept. 2021	Reached	Race Robots with the CocoNuts!	113-114
Flagstaff Festival of Science Year in Review	2021	Reached	Spotlights impact of Sci Fest, including CocoNuts involvement	115-116
FTC 18312 Da Geese of Freedom	2021	Reached	Thank you note for gift card donation for Child Crisis drive	117
Bigger than One Night	May 2021	Reached	Virtual STEM Celebration Schedule	118
Superpowers of Science – Flagstaff Festival of Science	Sept. 2020	Reached	SciTalks: “The True Story of the CocoNuts Robotics Team and the Power of Robots to Change Lives”	119-120
Virtual STEM Fair	Feb. 2021	Reached	Robotics outreach event for Killip during COVID	121-122
Peanut Butter and Algorithm Sandwiches	Dec. 2020	Reached	Virtual computer science activity for Killip during COVID	123-126
Sci Talks Tackle Empathy, Exoplanets, Robotics	Sept. 2020	Reached	Virtual SciTalks for Flagstaff Festival of Science	127-130
THANK YOU on behalf of Killip Elementary	Feb. 2020	Reached	Thank you note for having a booth at Killip’s Computer Science Night	131
AZ School for the Deaf and Blind	Dec. 2019	Reached	Thank you note for demoing at AZSDF Christmas Party	132
2052 KnightKrawler	April 2020	Reached	Social media post about face shields we created for Navajo Nation during COVID	133-134
Flagstaff STEM Celebration	March 2020	Reached	Program and floor layout for Community-wide STEM Celebration	135-136
Robots, Teenage Engineers Engaging Students	Sept. 2019	Media	Flagstaff Festival of Science article about Lunar Legacy and our Lunar Rover	137-138
Annual celebration shares STEM with community	March 2019	Media	AZ Daily Sun article about Community-wide STEM Celebration	139-140
CocoNuts media coverage		Media	Screenshots of other media coverage for the CocoNuts	141-147

Team Name: CocoNuts
 Team Number: 2486



Flagstaff's Lunar Legacy

Team Number or Type of Activity & Location	Date of Activity	Choose one of the Official Impact Definitions :	Type of Documentation (letter, screenshot, photo, thank you card, etc)	Page in Section
Lunar Legacy Invitational 2024	June 2024	Run Events	Flyer for Lunar Legacy Invitational for Artemis Roads, FLL Challenge & FLL Explore June 1 at NAU	1
Flagstaff's Lunar Legacy			Explanation of the phrase "Lunar Legacy"	3
City of Flagstaff Memorandum	June 2018		City of Flagstaff Explanation for Lunar Legacy – all Apollo Astronauts trained in Flagstaff. 2019 was a year long celebration of our role in the Moon Landing	4-5
Flagstaff Festival of Science – To the Moon and Beyond!	Sept. 2019	Reached	Flagstaff Festival of Science press release announcing key note speaker, Apollo 16 Astronaut Charlie Duke and the CocoNuts ¼ scale replica Lunar Rover.	6
Apollo Moon-Walking Astronaut Launching Flagstaff Festival of Science	Feb. 2019		Flagstaff Festival of Science press release announcing Apollo 16 Astronaut Charlie Duke as keynote speaker for 2019 Festival of Science.	7-8
Flagstaff Students speak with astronaut aboard International Space Station	March 2019	Reached & Media	AZ Daily Sun Article on NASA downlink hosted at Coconino High School	9-11
Lunar Legacy Robotics Invitational	July 2019	Run Events	Advertisements for July 20, 2019 Lunar Legacy Invitational for NASA Angles, FLL and FTC teams to celebrate the 50 th anniversary of the Moon Landing	12
CocoNuts Robotics Club Parades their Replica Lunar Rover	July 4, 2019	Reached & Media	KNAU (local public radio station) interview about our Lunar Rover's premiere in the Flagstaff 4 th of July Parade	13
"Failure is Not an Option" for Killip Elementary's LEGO Robotics Team	July 2019	Mentored	AZ Daily Sun Article describing Killip's team making it to the NASA ANGLES finals at Johnson Space Center in Houston	14
Fireworks, Apple Pie and Robots	July 2019	Media	Science Sandbox "Story of Impact" about the Lunar Rover, Oscar, and the 4 th of July Parade	15-18
Viola Award Winner for Community Impact	March 2020	Media	Year-long Flagstaff Lunar Legacy event is recognized as the Community Impact Organization of the Year at the Flagstaff Viola Awards	19-20
Lowell Observatory	Jan. 2020	Run Events	Letter from Todd Gonzales, Lowell Observatory, about the CocoNuts' involvement in Flagstaff Lunar Legacy	21
Event: Lunar Legacy Invitational	June 2023	Run Events	NAU website highlighting the 2023 Lunar Legacy Invitational	23-28

Team Name: CocoNuts

Team Number: 2486



Thank you for attending the Lunar Legacy Invitational!	June 2023	Run Events	NAU Center for Science Teaching newsletter about the 2023 Lunar Legacy Invitational (and advertising the KARMA Leading with Culture seminar)	29-32
Thatcher Middle School robotics team wins grand prize	Aug. 2023	Run Events	Article about the robotics team from Thatcher that won the Lunar Legacy Invitational	33-34

Team Name: CocoNuts

Team Number: 2486



Impact Binder Index

1. "We Can Do Hard Things" Quick Facts
2. 2024 Impact Award submission
3. Partnerships & Sponsorships
4. Challenges & Outreach on the Navajo Reservation
5. "RezBotics" – *FIRST* in Indigenous Communities
6. Advocacy for STEM Education
7. Running & Supporting FIRST Events
8. Impact of FIRST on Students
9. *FIRST* Team Support
10. Community Outreach & Media
11. Lunar Legacy

Each section has an index using the Impact Award documentation form.