

**THE THIRTIETH LEGISLATURE
APPLICATION FOR GRANTS
CHAPTER 42F, HAWAII REVISED STATUTES**

Type of Grant Request:

Operating Capital

Legal Name of Requesting Organization or Individual: Db:

FRIENDS OF CHALLENGER CENTER HAWAII, INC.

Amount of State Funds Requested: \$ 100,000

Brief Description of Request (Please attach word document to back of page if extra space is needed):

TO SUPPORT A PILOT PROGRAM OF NEIGHBOR ISLAND STUDENT PARTICIPATION, INCLUDING TEACHER PROFESSIONAL DEVELOPMENT; TO FUND IMPROVEMENTS, ENHANCEMENTS, AND UPGRADES TO THE S.T.E.M. CURRICULUM AND REQUIRED PROGRAMS OF THE CENTER; TO SUPPORT THE FUNDING OF THE LICENSE RENEWAL OF CHALLENGER CENTER HAWAII.

Amount of Other Funds Available:

State: \$ _____
Federal: \$ 0
County: \$ 0
Private/Other: \$ 42,000

Total amount of State Grants Received in the Past 5

Fiscal Years:
\$ 100,000

Unrestricted Assets:

\$ _____

New Service (Presently Does Not Exist): Existing Service (Presently in Operation):

Type of Business Entity:

501(C)(3) Non Profit Corporation
 Other Non Profit
 Other

Mailing Address:

970 N. Kalaheo Avenue, Ste A217

City: Kailua State: HI Zip: 96734

Contact Person for Matters Involving this Application

Name:
Clinton R. Churchill

Title:
President

Email:
clintchur@gmail.com

Phone:
808-544-3208

Federal Tax ID#:
[REDACTED]

State Tax ID#
[REDACTED]



Authorized Signature

Clinton R. Churchill, President

Name and Title

1/15/19

Date Signed

received
1/17/19 4pm [initials]

Application Submittal Checklist

The following items are required for submittal of the grant application. Please verify and check off that the items have been included in the application packet.

- 1) Certificate of Good Standing (If the Applicant is an Organization)
(see attached)
- 2) Declaration Statement
(see attached)
- 3) Verify that grant shall be used for a public purpose
(see II Background and Summary #3)
- 4) Background and Summary
- 5) Service Summary and Outcomes
- 6) Budget
 - a) Budget request by source of funds (Link) (see budget form page 6)
 - b) Personnel salaries and wages (Link) (see budget form page 7)
 - c) Equipment and motor vehicles (Link) (not applicable)
 - d) Capital project details (Link) (not applicable)
 - e) Government contracts, grants, and grants in aid (Link)
(not applicable)
- 7) Experience and Capability
- 8) Personnel: Project Organization and Staffing



AUTHORIZED SIGNATURE

CLINTON R. CHURCHILL, PRESIDENT

PRINT NAME AND TITLE

JANUARY 15, 2019

DATE



Department of Commerce and Consumer Affairs

CERTIFICATE OF GOOD STANDING

I, the undersigned Director of Commerce and Consumer Affairs of the State of Hawaii, do hereby certify that

FRIENDS OF CHALLENGER CENTER HAWAII, INC.

was incorporated under the laws of Hawaii on 06/02/2011 ; that it is an existing nonprofit corporation; and that, as far as the records of this Department reveal, has complied with all of the provisions of the Hawaii Nonprofit Corporations Act, regulating domestic nonprofit corporations.



IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Department of Commerce and Consumer Affairs, at Honolulu, Hawaii.

Dated: January 16, 2019

Director of Commerce and Consumer Affairs

**DECLARATION STATEMENT OF
APPLICANTS FOR GRANTS PURSUANT TO
CHAPTER 42F, HAWAII REVISIED STATUTES**

The undersigned authorized representative of the applicant certifies the following:

- 1) The applicant meets and will comply with all of the following standards for the award of grants pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is licensed or accredited, in accordance with federal, state, or county statutes, rules, or ordinances, to conduct the activities or provide the services for which a grant is awarded;
 - b) Complies with all applicable federal and state laws prohibiting discrimination against any person on the basis of race, color, national origin, religion, creed, sex, age, sexual orientation, or disability;
 - c) Agrees not to use state funds for entertainment or lobbying activities; and
 - d) Allows the state agency to which funds for the grant were appropriated for expenditure, legislative committees and their staff, and the auditor full access to their records, reports, files, and other related documents and information for purposes of monitoring, measuring the effectiveness, and ensuring the proper expenditure of the grant.

- 2) If the applicant is an organization, the applicant meets the following requirements pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is incorporated under the laws of the State; and
 - b) Has bylaws or policies that describe the manner in which the activities or services for which a grant is awarded shall be conducted or provided.

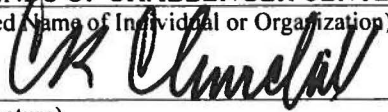
- 3) If the applicant is a non-profit organization, it meets the following requirements pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is determined and designated to be a non-profit organization by the Internal Revenue Service; and
 - b) Has a governing board whose members have no material conflict of interest and serve without compensation.

Pursuant to Section 42F-103, Hawaii Revised Statutes, for grants used for the acquisition of land, when the organization discontinues the activities or services on the land acquired for which the grant was awarded and disposes of the land in fee simple or by lease, the organization shall negotiate with the expending agency for a lump sum or installment repayment to the State of the amount of the grant used for the acquisition of the land.

Further, the undersigned authorized representative certifies that this statement is true and correct to the best of the applicant's knowledge.

FRIENDS OF CHALLENGER CENTER HAWAII, INC.

(Typed Name of Individual or Organization)



(Signature)

1/15/19

(Date)

CLINTON R. CHURCHILL

(Typed Name)

PRESIDENT

(Title)

Application for Grants

If any item is not applicable to the request, the applicant should enter "not applicable".

I. Certification – Please attach immediately after cover page

1. Certificate of Good Standing (If the Applicant is an Organization)

If the applicant is an organization, the applicant shall submit one (1) copy of a certificate of good standing from the Director of Commerce and Consumer Affairs that is dated no earlier than December 1, 2018.

2. Declaration Statement

The applicant shall submit a declaration statement affirming its compliance with Section 42F-103, Hawaii Revised Statutes. ([Link](#))

3. Public Purpose

The applicant shall specify whether the grant will be used for a public purpose pursuant to Section 42F-102, Hawaii Revised Statutes. ([Link](#))

II. Background and Summary

This section shall clearly and concisely summarize and highlight the contents of the request in such a way as to provide the State Legislature with a broad understanding of the request. Please include the following:

1. A brief description of the applicant's background;

Friends of Challenger Center (FCCH) is a 501(c)(3) non-profit organization established to provide financial assistance to the DOE's Challenger Center of Hawaii (CCH). FCCH was incorporated in June 2011. CCH is an interactive facility at Barbers Point Elementary School which conducts space flight simulations for students in grades 6-8. CCH has been in operation for 25 years.

2. The goals and objectives related to the request;

FCCH is requesting funding for a portion of the operational expenses for the 2019-20 school year. The objective is to increase neighbor island student participation and enhance the educational experiences of at least 4,000 students in grades 6-8 who participate in one of two space missions where students work in cooperative teams to solve real-life science, technology, engineering and mathematics (STEM)

problems. Teacher professional development will be conducted at the learning center in order to provide teachers with classroom curriculum and the simulation experience. Funding will support professional development for up to eight neighbor island teachers and enable eight neighbor island classes to travel to Oahu to participate in a mission experience at CCH.

3. The public purpose and need to be served;

Research indicates that the United States is losing its worldwide dominance in the critical areas of science and innovation. The National Science Foundation finds that there is a decrease in the number of students enrolling in undergraduate and graduate studies in engineering, physical sciences and mathematics. Sadly, the Hawaii Statewide Assessment Program test data for 2018 revealed that only 43.8% of students in grade 8 were proficient in science. Hawaii's performance in the Smarter Balance Assessment for mathematics in 2018 revealed that 41.9% of students in grade 6 met or exceeded proficiency while 38.2% of students in grade 8 met or exceeded proficiency.

Students are organized into one of eight disciplines requiring communication between mission control and a space station or orbiter. In conducting hands-on experiments while facing unforeseen emergencies, students must apply critical thinking skills, step out of social and gender barriers, gain the self-confidence needed to mature at this important stage in their personal development.

4. Describe the target population to be served; and

The CCH target population is middle school students and teachers (grades 6-8).

5. Describe the geographic coverage.

Although CCH is located on the campus of Barbers Point Elementary and operated by the Leeward District, the Center provides services to middle schools statewide.

III. Service Summary and Outcomes

The Service Summary shall include a detailed discussion of the applicant's approach to the request. The applicant shall clearly and concisely specify the results, outcomes, and measures of effectiveness from this request. The applicant shall:

1. Describe the scope of work, tasks and responsibilities;

FCCH initiates all grant requests in support of CCH. Upon receipt of funds, FCCH disperses the funds to CCH and insures that the funds are utilized properly. CCH reports to FCCH on the usage and effectiveness of the donations.

Specific uses of this proposed grant are as follows:

- **Payment of license fee to Challenger Center for Space Science Education**
 - **Curriculum, software and assessment upgrades**
 - **Teacher training for eight neighbor island teachers, including airfare, car rental, hotel, and workshop registration**
 - **Airfare and bus transportation to CCH for eight neighbor island classes to experience CCH, with intent to include two each from Hilo, Kona, Maui, and Kauai**
2. Provide a projected annual timeline for accomplishing the results or outcomes of the service;
- **FCCH will disperse the funds to CCH July 2019 through June 2020**
 - **CCH will conduct teacher training for 8 neighbor island teachers**
 - **CCH will utilize the funds for the 2019-2020 school year**
 - **Neighbor island missions are projected to be conducted in the second semester of SY2019-2020**
 - **CCH will prepare a final report to FCCH on the usage and effectiveness of the funds and program in July 2020**
3. Describe its quality assurance and evaluation plans for the request. Specify how the applicant plans to monitor, evaluate, and improve their results; and

FCCH will request a report from CCH on program accomplishments each year at a FCCH Board Meeting. The program's effectiveness is evaluated as follows:

- **Teachers who have participated in Challenger Center's teacher professional development program bring students to participate in missions throughout the year**
 - **During the mission, teachers evaluate student performance by completing the General Learner Outcomes Teacher Evaluation**
 - **As a NASA Regional Educator Resource Center, Challenger Center staff members provide supplemental NASA curriculum materials and conduct teacher in-service training**
 - **Feedback from students themselves**
4. List the measure(s) of effectiveness that will be reported to the State agency through which grant funds are appropriated (the expending agency). The measure(s) will provide a standard and objective way for the State to assess the program's achievement or accomplishment. Please note that if the level of appropriation differs from the amount included in this application that the measure(s) of effectiveness will need to be updated and transmitted to the expending agency.
- **Eight neighbor island classes in grades 6-8 will participate in the standards-based curriculum in either of the two missions at Challenger Center Hawaii each year.**

- **Eight neighbor island teachers will participate and will successfully complete Challenger Center Hawaii’s teacher professional development.**
- **Students participating in the standards-based curriculum will show an increase in proficiency on the Challenger Center Hawaii’s designed Comet and Moon mission pre/post test. The test assess the students understanding of science and mathematics concepts taught.**
- **More than 80% of students participating in the CCH programs will show positive teacher ratings on the DOE’s six General Learner Outcomes.**

IV. Financial

Budget

1. The applicant shall submit a budget utilizing the enclosed budget forms as applicable, to detail the cost of the request.
 - a. Budget request by source of funds ([Link](#))
 - b. Personnel salaries and wages ([Link](#))
 - c. Equipment and motor vehicles ([Link](#))
 - d. Capital project details ([Link](#))
 - e. Government contracts, grants, and grants in aid ([Link](#))

2. The applicant shall provide its anticipated quarterly funding requests for the fiscal year 2020.

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total Grant
\$15,000	\$30,000	\$30,000	\$25,000	\$100,000

3. The applicant shall provide a listing of all other sources of funding that they are seeking for fiscal year 2020.

FCCH is not seeking other sources of funding for FY2020. CCH teacher positions and related expenses continue to be funded through DBEDT/DOE.

4. The applicant shall provide a listing of all state and federal tax credits it has been granted within the prior three years. Additionally, the applicant shall provide a listing of all state and federal tax credits they have applied for or anticipate applying for pertaining to any capital project, if applicable.
 - **Federal and State Tax Credits: None**
 - **Tax Credits applied for or anticipated: None**

5. The applicant shall provide a listing of all federal, state, and county government contracts, grants, and grants in aid it has been granted within the prior three years and will be receiving for fiscal year 2020 for program funding.

FCCH has not received any Federal or County government contracts or grants in the past. FCCH received a \$100,000 Grant-In-Aid in FY 2016. CCH teacher positions continue to be funded through DBEDT/DOE.

6. The applicant shall provide the balance of its unrestricted current assets as of December 31, 2018.

Unrestricted current assets as of December 31, 2018: \$42,000

V. Experience and Capability

1. Necessary Skills and Experience

The applicant shall demonstrate that it has the necessary skills, abilities, knowledge of, and experience relating to the request. State your experience and appropriateness for providing the service proposed in this application. The applicant shall also provide a listing of verifiable experience of related projects or contracts for the most recent three years that are pertinent to the request.

The FCCH Board is comprised of 14 education, business, government and community leaders including a former Governor and the brother of Astronaut Ellison Onizuka. Officers include a former Superintendent of the Hawaii Department of Education, a retired Trustee of the Estate of James Campbell, a former Bank President, and a community relations executive. The group is knowledgeable about applying for and receiving grant monies, and is dedicated to supporting Challenger Center Hawaii with its emphasis on teaching science, technology, engineering and mathematics (STEM) in an environment that promotes problem-solving and teamwork.

2. Facilities

The applicant shall provide a description of its facilities and demonstrate its adequacy in relation to the request. If facilities are not presently available, describe plans to secure facilities.

CCH opened its doors in April 1993 with the adaptive re-use of three former classrooms at Barbers Point Elementary School. The Center's facility houses a realistic space station with many of the same elements found on an actual spacecraft and a mission control room modeled after NASA's Johnson Space Center. In the space station, "astronauts" gather data, conduct experiments and guide the space station to its destination. Mission controllers monitor the work of the space station crew, record and analyze data, and ensure all conditions are safe. ADA accommodations are made for students on a case-by-case basis when necessary. The facility has functioned for 25 years without security, ADA, or related concerns.

VI. Personnel: Project Organization and Staffing

1. Proposed Staffing, Staff Qualifications, Supervision and Training

The applicant shall describe the proposed staffing pattern and proposed service capacity appropriate for the viability of the request. The applicant shall provide the qualifications and experience of personnel for the request and shall describe its ability to supervise, train and provide administrative direction relative to the request.

FCCH has no employees, serving as an entity wherein volunteers raise funds to enhance CCH programs.

CCH missions are multi-faceted exercises in critical thinking and teamwork. Qualified teachers from the Department of Education are necessary to stimulate practical use logic, promote independent critical thinking, and encourage self-monitoring in students.

CCH's Executive Director has over 30 years of teaching experience with the DOE Hawaii and 25 years as CCH founding teacher and director. The three full time teachers bring over 50 years of experience with DOE Hawaii Science and Mathematics Education. The three teachers have a combined 7 years of teaching experience at CCH. Two part-time teachers provide the Center with over 50 years of experience with the DOE Hawaii in Elementary and Special Education. They have 10 years and 24 years experience as teacher and educational assistant at CCH.

2. Organization Chart

The applicant shall illustrate the position of each staff and line of responsibility/supervision. If the request is part of a large, multi-purpose organization, include an organization chart that illustrates the placement of this request.

FCCH has no employees, serving as an entity wherein volunteers raise funds to enhance CCH programs.

CCH is a program with the following positions:

- **Executive Director (also staffs missions)**
- **Three full-time teacher/Mission Specialist positions**
- **Two part-time teacher/Mission Specialist positions**

3. Compensation

The applicant shall provide an annual salary range paid by the applicant to the three highest paid officers, directors, or employees of the organization by position title, not employee name.

The Officers and Directors of FCCH serve without compensation.

Salary levels of CCH teachers are shown in the schedule attached.

VII. Other

1. Litigation

The applicant shall disclose any pending litigation to which they are a party, including the disclosure of any outstanding judgement. If applicable, please explain.

NOT APPLICABLE

2. Licensure or Accreditation

The applicant shall specify any special qualifications, including but not limited to licensure or accreditation that the applicant possesses relevant to this request.

CCH is licensed and accredited by the national Challenger Center for Space Science Education.

3. Private Educational Institutions

The applicant shall specify whether the grant will be used to support or benefit a sectarian or non-sectarian private educational institution. Please see Article X, Section 1, of the State Constitution for the relevance of this question.

The grant will not be used to support or benefit a sectarian or non-sectarian private education institution.

4. Future Sustainability Plan

The applicant shall provide a plan for sustaining after fiscal year 2019-20 the activity funded by the grant if the grant of this application is:

- (a) Received by the applicant for fiscal year 2019-20, but
- (b) Not received by the applicant thereafter.


Sustainment after fiscal year 2019-20 for CCH teacher positions will be dependent on continuity of funding of teacher positions within the State budget.

If no G.I.A.s are received by FCCH in the future (and assuming ongoing funding of the teacher positions in the State budget), the CCH program will continue; however neighbor island inclusion of the 8 classes will not be possible after FY2020 unless otherwise funded by the State or the private sector.

BUDGET REQUEST BY SOURCE OF FUNDS

Period: July 1, 2019 to June 30, 2020

Applicant: Friends of Challenger Center Hawaii

BUDGET CATEGORIES	Total State Funds Requested (a)	Total Federal Funds Requested (b)	Total County Funds Requested (c)	Total Private/Other Funds Requested (d)
A. PERSONNEL COST				
1. Salaries				
2. Payroll Taxes & Assessments				
3. Fringe Benefits				
TOTAL PERSONNEL COST				
B. OTHER CURRENT EXPENSES				
1. Airfare, Inter-Island	45,000			
2. Insurance				
3. Lease/Rental of Equipment				
4. Lease/Rental of Space				
5. Staff Training				
6. Supplies				
7. Telecommunication				
8. Utilities				
9. License Fee to Challenger Center for Space Science	13,500			
10. Curriculum, software & assessment upgrades	15,500			
11. Provide training for 8 neighbor island teachers	11,000			
12. Related costs for 8 neighbor island classes	15,000			
13				
14				
15				
16				
17				
18				
19				
20				
TOTAL OTHER CURRENT EXPENSES	100,000			
C. EQUIPMENT PURCHASES				
D. MOTOR VEHICLE PURCHASES				
E. CAPITAL				
TOTAL (A+B+C+D+E)	100,000			
SOURCES OF FUNDING		Budget Prepared By:		
(a) Total State Funds Requested		Clinton R. Churchill 808-544-3208		
(b) Total Federal Funds Requested		Name (Please type or print) Phone		
(c) Total County Funds Requested				
(d) Total Private/Other Funds Requested		Signature of Authorized Official Date 1/15/19		
TOTAL BUDGET		Clinton R. Churchill, President		
		Name and Title (Please type or print)		

BUDGET JUSTIFICATION - PERSONNEL SALARIES AND WAGES

Period: July 1, 2019 to June 30, 2020

Applicant: Friends of Challenger Center Hawaii

POSITION TITLE	FULL TIME EQUIVALENT	ANNUAL SALARY A	% OF TIME ALLOCATED TO GRANT REQUEST B	TOTAL STATE FUNDS REQUESTED (A x B)
FCCH HAS NO EMPLOYEES				\$ -
				\$ -
				\$ -
CCH STAFFING (DBEDT/DOE Budget)				\$ -
Program Director/Teacher	1	\$65,851.00		\$ -
Teacher	3	\$197,553.00		\$ -
Part Time Teacher (paid hourly)	2	\$28,240.00		\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
TOTAL:				\$ -
JUSTIFICATION/COMMENTS:				