



## APPLICATION PACKAGE

**American Box Car Racing International**

For more information go to

*[www.boxcarracing.org](http://www.boxcarracing.org)*

# The ABCRI Box Car School Challenge

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## OVERVIEW

As a part of American Box Car Racing International's (ABCRI) educational program, we have revamping our Box Car School Challenge. Our goal is to make this dynamic educational experience available to all interested age-appropriate students. As our next step, we are opening up this program to eight elementary/middle schools with a maximum of two box cars per school. This one semester (spring 2010) program will culminate with our 4th annual School Challenge Race to be held on Thursday May 6, 2009 at our box car facility in Kunia.



The program (this year) is for 5th-7th graders and is a complete educational curriculum for one class of up to 30 students for one semester. The curriculum addresses Hawaii Content Performance Standards in math, science, language arts, engineering, and hands-on tech ed. The challenge is to assemble and finish the box car(s), then put your car(s) on the track competing against other participating schools. The box cars kits provided as a part of this educational package meet the ABCRI Competition Box Car and Floorboard Layout specifications.

## COST

The normal fee for this program is \$1,800 for a one box car package or \$2,400 for a two box car package. We are offering a pilot program discount of 33% off, which makes the cost \$1,200 (1 box car) and \$1,600 (2 box cars), respectively. P.O.s received by October 1, 2009 will receive an additional 10% discount (program fee = \$1,080 or \$1,440). ***For as low as \$36 per student, you can provide a dynamic, educational experience for one class of 30 students for one semester.*** Funds are payable to American Box Car Racing International (ABCRI). Participation is limited to eight schools, with a maximum of two box cars each. In fairness to all, registration will be on a first-come-first-served basis, with program fee payment required to secure program participation.

## **PROGRAM ELEMENTS**

### CURRICULUM GUIDE

With Hawaii Content Performance Standards being the mandate of what needs to be covered in the classroom, this curriculum guide will cover content resulting in a culminating project. Students will be able to use the content knowledge with rigorous curriculum to a relevant hands-on project. This curriculum guide covers content which supports students preparation for the Hawaii State Assessment.



### BOX CAR Package

ABCRI will provide a comprehensive educational Box Car Package including:

- Basic Box Car Kit
  - 4 wheels/tires
  - Steel components
  - Wood components
  - Hardware pack
  - Plans & assembly instructions
- Curriculum Guide & Field Trip
- Instructor Visitation & Safety Inspection

All but the wood components of this kit can be

reused each year. The kit will come ready for sanding, assembly and painting. School will need to furnish paint, sandpaper, hand tools, etc.

#### BOX CAR FIELD TRIP

A four (4) hour Box Car Field Trip should be scheduled and attended early in the semester by all class members and teachers to qualify for participation in the Box Car School Challenge. The field trip will include helmets, box car drivers' training, on-track driving practice and a box car mini-workshop teaching participants about the box car functions and operations. Box Car Physics will be presented if ABCRI's physics instructor is available (subject to scheduling). ABCRI's physics information and resources are available online for teachers to use before, during or after the field trip. Each school will be responsible for transportation and lunch.

#### SCHOOL VISITS BY ABCRI INSTRUCTOR

This program includes up to two (2) visits (if needed) during the semester to each school by an ABCRI Instructor to assist with each class's progress. Additional visits are \$50 each.

#### RACE DRIVER PRACTICE

Each box car's four (4) official drivers (three (3) plus one (1) alternate per box car) must attend and participate in at least one Open Track Box Car Session at the ABCRI Box Car Track in Kunia prior to Race Day during the month leading up to the Challenge. Students may attend with their teacher(s) or parent(s)/guardian(s)/family. Students are responsible for their own transportation. There is no additional cost for this Race Driver Practice for student, teacher and family. Helmets are included.

#### BOX CAR SAFETY INSPECTION

All box cars are required to be delivered to the ABCRI Track in Kunia by April 29, 2009 for a complete Box Car Safety Inspection. When ABCRI Tech Inspector finish inspecting each box car the car may remain at the track until Race Day or be brought back to the school. Required mechanical upgrades may be done at the track or back at the school. If the box car goes back to the school for upgrades, it must be brought back to the track prior to Race Day and pass Safety Inspection.

#### RACE DAY

Each class and its students must be at the track from 9:00 am to 1:00 pm on Race Day, Thursday, May 6, 2010. ABCRI will hold Race Practice, The Challenge Race, lunch and an award ceremony. Pizza will be donated by Papa John's. ABCRI will provide refreshments.



*Have your students participate in a team building  
experience with rigorous curriculum  
and relevant learning!*

For more information, visit us on the web at

**[www.boxcarracing.org](http://www.boxcarracing.org)**

Or call BC Cowling, ABCRI Executive Director, at  
382-5653



# ABCRI BOX CAR CHALLENGE

## APPLICATION

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### Participant Information

#### Program Requirements

Date \_\_\_\_\_ School Name \_\_\_\_\_

School Address \_\_\_\_\_

City, Zip Code \_\_\_\_\_

Teacher Info: Name \_\_\_\_\_ Email \_\_\_\_\_

Subject Area \_\_\_\_\_ Grade Level(s) \_\_\_\_\_

School Phone \_\_\_\_\_ Cell Phone \_\_\_\_\_

Number of students participating: \_\_\_\_\_

Number of Box Car Package(s): \_\_\_\_\_

- 1) All participating teachers and students should plan to attend a 4 hour Box Car Field Trip early in the semester. Please schedule as early as possible.
- 2) Pick-Up Box Car Kit(s) at the ABCRI Track in Kunia prior to start of semester
- 3) Schedule Classroom visits with ABCRI
- 4) Ensure 4 Official Drivers complete Race Driver Certification at Track in month prior to Challenge
- 5) Deliver completed Box Car(s) to the ABCRI Track no later than April 29, 2010
- 6) School responsible for all student and adult transportation, including
  - A. Picking Up Box Car Kit(s)
  - B. Field Trip
  - C. Box Car(s) To And From Track
  - D. Class participation in Challenge (9 am—1 pm, Friday May 15, 2009)
  - E. Race Driver Certification (may delegate to parents)
- 7) Call ABCRI Executive Director, BC Cowling (cell 382-5653), as needed



## ABCRI BOX CAR CHALLENGE

### APPLICATION

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#### **Application Steps:**

- 1) Call BC at 382-5653 to notify of intent to register for program
- 2) Fax application to ABCRI at 947-3393 to pre-register
- 3) Secure program participation by mailing original application  
(please keep copy) with payment (check or PO) made payable to:

American Box Car Racing International

1518 Evelyn Lane

Honolulu, Hawaii 96822

#### **Signature**

By signing below I, the Teacher In Charge, do agree to full participation in ABCRI's Box Car School Challenge—including all requirements and events specified in this application package—by my students, myself, supporting teachers and adult assistants.

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Print Name

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Sign

American Box Car Racing International • a nonprofit organization

Executive Director • BC Cowling, • cell 382-5653

Office • 1518 Evelyn Lane • Honolulu, Hawaii 96822 • phone/fax 947-3393

Track Located Just Off H-1 In The Royal Kunia Park & Ride

website • [www.boxcarracing.org](http://www.boxcarracing.org)