

# Ngati Porou Schools ICT Team Challenge

## E Tipu e Rea - ICT Team Challenge

4 September 2013

To: All Tumuaki/Principals  
Ngati Porou East Coast Schools/Kura

### Information for 2013 Te Rangitawaea Festival - ICT Team Challenge

The ICT Team Challenge this year is made up of 3 separate challenges.

1. **Lego Robotics, (2 students) – 3 hours.**
2. **Video & Facebook, (up to 3 students) – 3 hours.**
3. **Natioke, (up to 2 students) – 2 songs per team.**

Please take the time to read the technical and organizational requirements below.

#### **Tech Requirements for challenge 1 –Lego Robotics ( 2 students per team):**

Experience with Robotic construction and programming. Please bring your LEGO Mindstorm NXT 2.0 Robotics kit with spare batteries for your robot.

PLEASE NOTE: Unlike challenges in the past, we encourage you to please pre-build your LEGO Robot into the "Shooterbot" configuration, as per the building instructions included in your kit's software\*. By building your Robot beforehand, it will allow maximum use of the Challenge time to focus on programming the Robot for the required tasks.

\* You may download the LEGO Mindstorm building instructions (which include the Shooterbot) directly from:

<http://hackerspace.cs.rutgers.edu/library/LegoMindstorms/NXT2.0Instructions.pdf>

- *It is imperative that the LEGO Mindstorm software already be setup and that students in this challenge have had prior practice working with the software and their NXT robot.*

#### **Tech Requirements for challenge 2- Video & Facebook ( Up to 3 students per team):**

For challenge two each team will be required to make a movie and hand their completed video over on a flash drive (memory stick) to be shown to the judges and audience.

They will also be required to have skills with Facebook and get their teacher to create a new Facebook Page using the "Create a page" tab and select

“Entertainment” then the “Movie” tab. Name your page “Te Rangitawaea” followed by your school/kura name” eg “Te Rangitawaea Potaka School”  
Please do nothing else but create the page. (we ask teachers to create the page as you need to be 18 years or over.)

Your team will require the following:

- Video capturing device and means to download captured footage.
- Ability to use iMovie or MovieMaker or other video editing software.
- Memory Stick/Flash Drive.

### **Team Requirements for challenge 1 & 2:**

- In the Junior teams, at least two students must be from Year 5 and 6. *(There will be flexibility for small schools/kura who cannot field a student in each level – We also encourage small schools/kura to combine to make one team.)*
- In the Senior teams, at least two students must be from Year 9-10 and two students from Year 11-13

### **Team & Tech Requirements for challenge 3 -Natioke:**

- Up to 2 different students for this challenge, with the year level the same as per challenges 2. *(Small schools/kura with 2 teachers or less may use the same students from challenges 1 & 2 as they will only be required to perform 2 songs. If they use this option they will be given an extra 10 minutes for challenges 1 & 2.)*

Your team will require the following:

- Compile at your school/kura two x 4 minute video clips (without any audio) that showcases your community/rohe to be used as a backing video for your Natioke/Karaoke song. (Your 2 x songs must be selected prior to the challenge. The video clips to be given on a memory stick in avi, .mov or quicktime format.
- All teams will pick 2 songs and their scores will be taken. **Please note this year “Performance” will form part of the scoring criteria. Teams should be creative i.e. wear costumes, dance or move in unison with song.**

A FINAL REMINDER to all teams for Equipment & Software Required:

- 2 x Good quality Laptops or desktops (not older models) per team, that are wireless capable for challenge 1 (robotics) and challenge 2 (Video & Facebook). Please have them configured to “Automatically detect proxy”.  
The laptops should be newer versions with high specs to handle the video/processing requirements.

- For the Robotics Challenge, please also bring spare batteries for your LEGO Mindstorms NXT robot (6 AA batteries), your LEGO USB cable in case you have issues with Bluetooth, and a computer which has already been setup and tested with the LEGO Mindstorms software (be sure to rename your robot and test it with Bluetooth for wireless control). Stay tuned to [www.codeshack.co.nz/community](http://www.codeshack.co.nz/community) for further system configuration details.
  
- Movie editing software for Challenge 2 installed .
- Video capturing devices, (video camera or any other device like a smart phone)
- 2x Flash Drives (Memory stick) - Min 2 gb. One is for the cellphone challenge and the second for Natioke. ( Remember to download 2 x 4min audio-less video clips to the second memory stick).
- Costumes, props if needed for Natioke performance (optional).
- Extension cords etc

*If you require further information please email Ivan Lomax [waimawharf@gmail.com](mailto:waimawharf@gmail.com) or Leanne Morice 06 8649 004 ex 717*

# CHALLENGE

## CREATE A COMEDY VIDEO

# “KORERO KI TE RINGA”

“SAY IT TO THE HAND”

## & PROMOTE IT ON FACEBOOK

1. Your video is to be no longer than 1 minute.
2. You can only add music that is copyright free or composed by yourselves.
3. Any video editing software can be used and the final video file needs to be handed in on a flash drive in avi, quicktime or mpeg format.
4. You have up to 3 hours to complete your video & Facebook ready for judging.
5. Your Facebook page will need to have your video embedded, show likes and comments and other relevant information.
6. Unfortunately any outside assistance from teachers, students, whanau or friends will result in your team being disqualified. Members of your team may go to the Ruatoria Township for pictures/footage.
7. You will be required to present your video & Facebook page to the judges prior to viewing.
8. Please note that the following weighting will be used to judge your presentation:  
35% ICT/Movie Making skills and use of Facebook  
10% Facebook Page  
25% Nati-ness  
30% Idea/creativity/Presentation

# FACEBOOK PAGE

## WILL BE JUDGED ON:

- How well it promotes your video.
- Number of likes and comments.
  - Visual appeal

**MAKE SURE YOUR FACEBOOK AND ITS COMMENTS ARE WITHIN ACCEPTABLE STANDARDS!**