6th September 2011

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

Information for 2011 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. Google Earth Tour, (2 students) – 3 hours.
3. Rock Band, (4 students) – 2 songs per team.

Team Requirements for challenge 1 & 2:
- In the Junior teams, two students must be from Year 5 and 6 and two students from Year 7-8*(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, two students must be from Year 9-10 and two students from Year 11-13

Team Requirements for challenge 3:
- Four different students for this challenge, with the year level the same as per challenges 1 & 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.)*

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

Your team will require the following for challenges 1 & 2:
- **Challenge 1** – Experience with Robotic construction and programming. Please bring your LEGO Mindstorm NXT 2.0 Robotics kit with spare batteries for your robot (Two students).
  - *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.*
- **Challenge 2**
  1. Skills with Google Earth tools, especially the tour function. *It is imperative that students in this challenge have prior practice with Google Earth, video desktop capturing software and movie editing software. Participants from last year that had little or no experience struggled with this challenge.*
  2. Knowledge and understanding of local Kaitiaki
  3. Copyright free photos of the East Coast, especially your local community.
- **Challenge 3** – Rockband: A singer, drummer and 2 guitarists who will play 2 songs. 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 ie wear costumes.**

Equipment & Software Required:

- Laptops, 1 per team member and wireless capable. (Except for challenge 3) Please have them configured to "Automatically detect proxy" – see attached. The laptops should be newer versions with high specs to handle the video requirement.
- Installation of Google Earth software for challenge 2.
- Installation of desktop video capturing software for challenge 2. http://download.cnet.com/Snapz-Pro-X/3000-13633_4-8561.html for Macs, ==(It is a 2 week free trial so be aware of days available leading up to the festival),==http://www.techsmith.com/jing/ for PC & Mac or any other video desktop capturing software that works well for you.
- Movie editing software.
- Digital Camera and video camera if you choose.
- Flash Drive *(Memory stick) – Min 2 gb*
- Extension cords etc
- 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 for further system configuration details.

If you require further information please email Ivan Lomax waimawharf@gmail.com or Leeanne Morice 06 8649 004 ex 717

Google Earth Challenge Brief – 2011

Kaitiaki

Your team has been given the task of putting together a Nati Flavour Google Earth Tour.
You are required to create a Google Earth tour of a Ngati Porou hapu or iwi Kaitiaki of your choice.
Challenge requirements:

- At least 5 different placemarks that apply to your Kaitiaki
- Each location placemark needs to have relevant information that could be a picture, audio narrative, video, music and any other materials relating to your Kaitiaki.
- No more than 5 minutes long.
- You will be required to capture the Google Earth tour as a video using desktop capturing software. You may wish to enhance this by importing the captured video into video editing software and adding other relevant material and effects.

Copyright issues are important and any downloaded pictures, music etc, need to be copywrite free.
Information used from the internet needs to make reference to the site where you found the information.

The following markings will be used to judge your presentation:

    40%   ICT skills/knowledge/enhancements
    30%   Nati-ness
    30%   Idea/creativity

Each team member will need to use their own ICT equipment:
Requirements –   Laptops
                 Power Boards and Leads
                 Google Earth 6 and desktop video capturing software already downloaded.
                 Flash drive (memory stick)

You will be required to supply the judges with a video of your completed tour on a flash drive.

Unfortunately any outside assistance from teachers, students, whanau or friends will result in your team being disqualified.

If you require further information during the challenge ask Ivan Lomax.