

Ngati Porou Schools ICT Team Challenge

E Tipu e Rea - ICT Team Challenge

25th August 2010

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

Information for 2010 Te Rangitawaea Festival - ICT Team Challenge

The ICT Team Challenge this year is made up of 3 separate challenges. The scores for all 3 challenges will be aggregated to determine the Junior and Senior ICT Challenge Winners.

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:

Junior Teams

1 x Year 5 or 6 students

1 x Year 7 or 8 students

Total of 2 students.

Senior Teams

1 x Year 9 or 10 students

1 x Year 11 - 13 students

Total of 2 students

Up to a 5 minute presentation on your Robot performing the designated challenge.

Team Requirements for challenge 2:

Junior Teams

1 x Year 5 or 6 students

1 x Year 7 or 8 students

Total of 2 students.

Senior Teams

1 x Year 9 or 10 students

1 x Year 11 - 13 students

Total of 2 students

(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.)

Up to 5 minute video presentation on your completed task.

Team Requirements for challenge 3:

Junior Teams

1 x Year 5 and 1 x Year 6 students

1 x Year 7 and 1 x Year 8 students

Total of 4 students.

Senior Teams

1 x Year 9 and 1 x Year 10 students

1 x Year 11 or 12 and 1 x Year 13 students

Total of 4 students

*(Small schools/kura of less than 40 pupils **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 **need to bring** the following for :

- ✚ **Challenge 1** - Experience with Robotic construction and programming.
Each school/kura will be given a Robotics kit for 2 weeks prior to the festival to gain robotics skills (Two students)
- ✚ **Challenge 2** –
 1. Skills with Google Earth tools, especially the tour function, skills with movie editing software and skills for using Jing, desktop capturing software. (Two students only)
 2. Ngati Porou Hapu and/or iwi waiata relating to hapu or iwi landmarks. (Need words and audio)
 3. Copyright free photos of the East Coast and your local community landmarks.
- ✚ **Challenge 3** – A singer, drummer and 2 guitarists who will play 2 songs and scores will be added together.

Equipment & Software Required:

- ✚ Laptops, 1 per team member and wireless capable. (Except for challenge 3)
- ✚ Installation of Google Earth 5 software for challenge 2.
- ✚ Installation of Jing capturing software for challenge 2.
<http://www.jingproject.com/> or any other video desktop capturing software.
- ✚ Movie editing software.
- ✚ Digital Camera
- ✚ Flash Drive (*Memory stick*)
- ✚ Extension cords etc

*If you require further information please contact Ivan Lomax
Ph 06 8645 713 or 027 2792 595 or Leanne Morice 06 8649 004 ex 717*

Google Earth Brief – 2010

Waiata tour – Nati Styles!

Your team has been given the task of putting together a Nati Flavour Google Earth Tour from points of interest/locations from a relevant Ngāti Porou Iwi/Hapu waiata.

The promotional or informative tour needs to include the following:

- At least 6 different locations
- Each location (placemark) needs to have at least a narrative but could also include video, Internet links and other relevant information.
- Capture your Google Earth Tour to video using Video Screen Capture software like Cam Studio or Jing.
- You may then use Video Editing software (iMovie/MS MovieMaker) to import your Google Earth Tour and add other enhancements like pictures, video, audio and music.
- You will be required to supply the judges with a video file of your google tour.

Copywrite 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
- 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 5 and video screen capturing software.

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 or Stan Baldwin.