**Resource interpretation Race
(Year 11 Geography)**

**BEFORE THE GAME**Print out the questions below

 **EQUIPMENT NEEDED**
Use mini whiteboards (from the $2 shop). One mini white board per group and one whiteboard pen.
NCEA Level 1 Resource booklets (on Twizel) from the 2011 exam for Achievement Standard 91010. Have at least 3 Resource booklets per group.

 **HOW TO PLAY THE GAME**
Students get into 5 – 6 groups. Give each group 3 Resource booklets (Twizel), a mini whiteboard and whiteboard pen. Choose one person in the group to be the writer (they need to write legibly and large enough for the answers to be read from the front of the room)

This game is a race. Each question is a race. The teacher reads out the first question (the questions indicate which resource they are from. You can tell students that or just let them figure it out). The students use the resource booklets to find the answer. When they have the answer, they write it on the paper/whiteboard and hold it up. The teacher tell them if its correct. Then they put their answer down so no one else can see it. The first 3 groups to get the answer correct get points. If they hold up a wrong answer, they can try again. The first team to hold up the correct answer gets 3 points. The second team to hold up the correct answer gets 2 points and the third team to hold up the correct answer gets 1 point. I find it easier to have a student do the points on the board and they write them up as I say if it’s correct or not as at times, you can have groups holding up the answers within a few seconds of each other.
The winner is the group with the most points.

This game helps students look carefully at many resources in practice for the skills exam.

**QUESTIONS**These questions are from Resources A and B in the Level 1 Resource booklet on Twizel, from 2011.)

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|  | **QUESTION**  | **ANSWER**  |
| 1  | When was the town of Twizel built?  | 1968  |
| 2  | How many kilometres is Twizel from Timaru?  | 160  |
| 3  | What river flows through Kurow and Ikawai?  | Waitaki River  |
| 4  | What is the height of Mt Cook?  | 3764m  |
| 5  | What river is the town of Coldstream closest to?  | Rangitata River  |
| 6  | What mountain is located between Timaru and Cattle Creek?  | The Hunters Hills  |
| 7  | What river is the town of Barrhill located near?  | Rakaia River  |
| 8  | What is the height of Mt Musgrave?  | 2246m  |
| 9  | What is the name of the lake between Lakes Pukaki and Tekapo?  | Lake Alexandrina  |
| 10  | What river is SW of Gillespies Point?  | Cook River  |
| 11  | What is the population of Twizel?  | 1200  |
| 12  | What pass does SH8 pass through?  | Lindis Pass  |
| 13  | What is the height of Mt Taylor?  | 2330m  |
| 14  | What lake is Twizel closest to?  | Lake Ruataniwha  |
| 15  | What town is East of Wedderburn?  | Naseby  |
| 16  | Why was the town of Twizel built?  | To house the workers from the upper Waitaki Hydro electricity project  |
| 17  | Name the lake that is North of Twizel  | Lake Pukaki  |
| 18  | What is the height of Mt Pisa?  | 1961m  |
| 19  | What road would to travel on to reach Mt Cook village?  | Highway 80  |
| 20  | What city is south of the Waitaki River?  | Oamaru  |
| 21  | What mountain is 3157m high?  | Mt Sefton  |
| 22  | What did the Twizel residents do in 1983?  | Fight to save their town from being removed  |
| 23  | What town is located on SH77 NNW of Ashburton?  | Methven  |
| 24  | What pattern were the streets of Twizel built in?  | Radial  |
| 25  | What city is east of Claremont?  | Timaru  |
| 26  | What is the name of the central street in Twizel?  | MacKenzie Drive  |
| 27  | What mountains are located between Cromwell and Becks?  | Dunstan Mountains  |
| 28  | What district is Twizel located in?  | MacKenzie District  |
| 29  | Which is furthest North – Mt Musgrave, Mt Melina or Mt Taylor?  | Mt Taylor  |
| 30  | What is the height of The Thumbs?  |  2545m  |

(These questions are from Resources C in the Level 1 Resource booklet on Twizel, from 2011.)

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|  | **QUESTION**  | **ANSWER**  |
| 1  | What feature is located at GR 685956?  | School  |
| 2  | What is the Grid Reference of the southern end of Pukaki Aerodrome?  | 701971  |
| 3  | What is the other name for SH8?  | Tekapo Twizel Road  |
| 4  | What feature is located at GR 664938?  | Camping Ground  |
| 5  | What is the Grid Reference of the end of the boom at Ruataniwha Dam?  | 674923  |
| 6  | What is the length of the Airstrip west of Pukaki Canal?  | 600m  |
| 7  | What feature is located at GR 695945?  | Oxidation Ponds  |
| 8  | What is the Grid Reference of the landfill?  | 671948  |
| 9  | What is the contour interval of this map?  | 20m  |
| 10  | What is the length of the bridge that crosses the Pukaki canal at the SE end of Lake Ruataniwha?  | 100m  |
| 11  | What feature is located at GR 647995?  | Loch Cameron  |
| 12  | What is the length of the shelterbelt on the western side of Twizel?  | 1.8m  |
| 13  | What feature is located at GR 646969?  | Mt Ostler  |
| 14  | What is the Grid Reference of the centre of Oahu A Powerstation?  | 632947  |
| 15  | What recreational feature is located east of the landfill?  | Golf Course  |
| 16  | What is the Grid Reference of the corner of the Glen Lyon Road and Old Glen Lyon Road?  | 669974  |
| 17  | What is the height of Mt Ostler?  | 591m  |
| 18  | What feature is located at GR 647000?  | Lake Merino  |
| 19  | What feature is located at GR 688918?  | Moraine  |
| 20  | What is the width of Pukaki Canal?  | 100m  |
| 21  | What type of vegetation is at GR 704920?  | Scattered scrub  |
| 22  | What feature is located at GR 696908?  | Ohau B Power Station  |
| 23  | What is the distance from the Twizel Golf course to the southern end of Pukaki Aerodrome?  | 3.4km  |
| 24  | What natural feature is located at GR 655987?  | Twin Lakes  |
| 25  | What is the height of the highest point east of Wairepo Bay?  | 606m  |