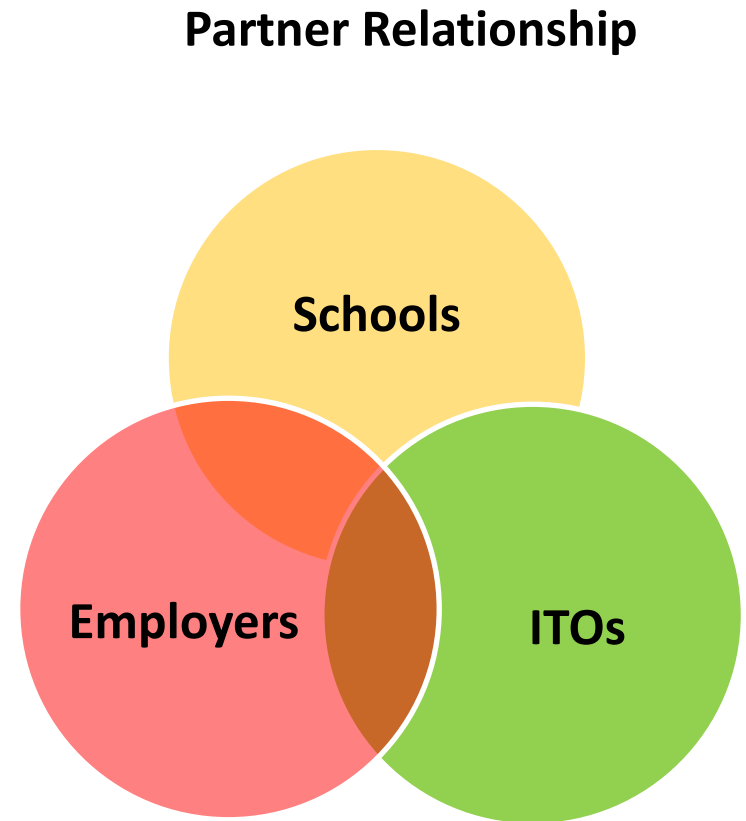




**Discussion with Forest Managers / Contractors**  
**November / December 2011**

# What is NZTA?

- Joint partnership between
  - Primary industries ITOs (3)
  - Secondary schools
  - Willing employers
- Managed by ITOs – FITEC leading
- The only trade academy not involving polytechnics / PTEs
- National coverage
- Over 3 years (15-18 yr old students)
- Covering a wide range of industries initially (Year 11)
- Includes forestry and solid wood manufacturing



# How Does This Work?

Year	School / Work Split	Component	Where	Who
1	4 days/week at school	NCEA subjects	Classroom	School
	1 days/week industry visits	Nat. certificate (theory portion)	Classroom	School or external provider
2	3 days/week at school	Nat. certificate (practical)	Industry	Workplace employer or trainer/assessor
	Up to 2 days/week work placement	Nat. certificate assessment	Industry/school (dependent on unit standard)	Contract trainer/assessor
3	2 days/week at school			
	Up to 3 days/week work placement			

**THIS NEEDS INDUSTRY INVOLVEMENT:  
A REGIONAL CHAMPION, FOREST OWNERS AND CONTRACTORS**

# Partner Schools and Students 2011

**Eight partner schools / 163 students**

School	Students
Otamatea High (Maungaturoto)	12
Hauraki Plains College (Ngatea)	30
Rotorua Lakes High	12
Tauhara College (Taupo)	24
Lytton High (Gisborne)	15
Feilding High	25
Rangiora High	22
Taieri College (Mosgiel)	23

**Aim for additional schools in 2012**

# Student Achievement Yrs 11-13



National Certificate in Forest Foundation Skills (Level 2) with up to 5 strands:

- Pruning
- Establishment
- Breaking Out
- Landing Operations
- Chainsaw Operations



National Certificate in Solid Wood Manufacturing (Level 2), with up to 3 strands:

- Sawmilling
- Timber drying and Treatment
- Timber machining

# Forestry Programme

Unit	Description	Level	Credit
3285	Demonstrate knowledge of protection of personal safety at vegetation fires	3	3
26551	Provide first aid for life threatening conditions	2	1
26552	Demonstrate knowledge of common first aid conditions and how to respond to them	2	1
17769	Demonstrate knowledge of general health, safety, and environmental requirements in forestry	2	6
22994	Demonstrate knowledge of factors that affect the performance of forestry workers	2	10
17772	Demonstrate knowledge of environmental requirements in forestry operations	3	6
22997	Demonstrate knowledge of principles of commercial forestry	2	5
<b>Practical Strands</b>			
22998	Demonstrate forestry foundation skills under supervision for pruning plantation trees	2	10
23000	Demonstrate forestry foundation skills under supervision for plantation forest establishment	2	10
23001	Demonstrate forestry foundation skills under supervision for breaking out for plantation forestry	2	10
22999	Demonstrate forestry foundation skills under supervision for landing operations	2	10
6916	Demonstrate knowledge of the Approved Code of Practice relating to chainsaw use	2	5
6917	Operate a chainsaw	2	8
<b>Total Credits</b>			<b>85</b>

# Wood Manufacturing Programme I

<b>Core Compulsory</b>			
<b>Unit</b>	<b>Description</b>	<b>Level</b>	<b>Credit</b>
22970	Demonstrate employment and interrelationship foundation skills in a wood manufacturing operation	2	10
22973	Demonstrate knowledge of factors that affect the performance of wood manufacturing workers	2	10
22977	Identify and describe workplace risks in a wood manufacturing operation	2	5
736	Demonstrate knowledge of tree growth and physical characteristics of wood	2	5
<b>Sawmilling Strand</b>			
27074	Demonstrate knowledge of timber grading	2	5
164	Tally timber	2	3
165	Handle, sort and stack timber	2	3
143	Fillet timber for further processing	2	3
156	Demonstrate knowledge of phytosanitary standard in the solid wood manufacturing industry	2	3

# Wood Manufacturing Programme II

<b>Strand - Timber Drying and Treatment</b>			
<b>17971</b>	<b>Demonstrate knowledge of the solid wood manufacturing industry</b>	<b>2</b>	<b>5</b>
<b>729</b>	<b>Measure moisture content of wood products</b>	<b>2</b>	<b>5</b>
<b>162</b>	<b>Describe the principles of wood drying</b>	<b>2</b>	<b>5</b>
<b>24607</b>	<b>Wrap wood products manually</b>	<b>3</b>	<b>3</b>
<b>16244</b>	<b>Demonstrate knowledge of wood preservation</b>	<b>2</b>	<b>5</b>
<b>Timber Machining Strand</b>			
<b>15774</b>	<b>Demonstrate knowledge of timber machining</b>	<b>2</b>	<b>5</b>
<b>22978</b>	<b>Demonstrate knowledge required for determining wood product quality</b>	<b>2</b>	<b>5</b>
<b>17964</b>	<b>Demonstrate knowledge of the wood product manufacturing industry</b>	<b>2</b>	<b>5</b>
<b>17960</b>	<b>Perform basic calculations for the operation of wood forming machines and grinders</b>	<b>2</b>	<b>5</b>

# Work Placement Model – Year 12

- Start in February 2012
- Initially one day per week
- Working same hours as business (full day)
- Fixed day preferred
- 3 terms @ 10 weeks
- Student with same employer for one term
- No pay
- Students receive higher duty of care
- Holiday work if available
- Students may attend 4 week free poly tech course if available



# Work Placement Responsibilities

Schools / Students	Employers	NZTA / ITO
Pre-entry drug test	Transport from town to worksite and back	Work place arrangements with ITO assistance
Safety and wet weather gear	Work equipment and tools	Free learning resources
Turning up on time and every time	Ongoing supervision	Suitable contract coach / assessor
Regular communication and work place visits	Liability Insurance and ACC coverage	Regular communication and visit
Keep work place record	Check and report on progress and issues	Transport subsidy available if required

**Some puzzle pieces are still missing .....**

# Items For Discussion

TOPIC	OPTIONS
Who will offer work placement?	contractor, forest manager, or both
Length of work placement commitment?	one term / one year
Managing injury risk?	establishment / forestry support services / harvesting
Student work readiness?	straight to work / some sort of induction? Minimum age
Need for personal insurance?	Up to the individual?
Procedure in case of issues?	injury / sickness / absence / performance – see MOU
Other	????

# Workplace Visit Plan - Year 11

1. Four to five days per annum for forestry and wood processing industry
2. From seed to end product
3. Good to get a group of businesses involved
4. Include some group activity – not just a day off school (journal)
5. School provides supervision and transport
6. Need to plan ahead for 2012
7. Business interest?
8. Issues?



# ... and Everyone Wins

EMPLOYER	STUDENT
More people into industry	More opportunities in a range of industries
Work in with local schools and community	Education linked to real jobs
Keep young people in the region (and employed)	Start a career before starting work
Assistance with basic training when in work placement	Achieve at the same time NCEA and national certificates
Theory units training completed when entering the work force	Employment close to home
Check out a selection of candidates before hiring	Find a suitable boss and work team

