

National
Schools
Interoperability
Program

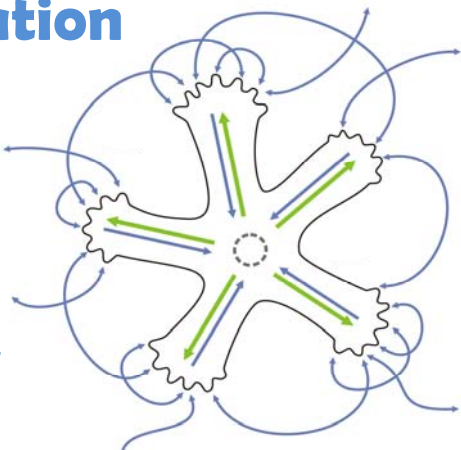
NSIP



Right information

Right place

Right time



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Program Lead

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www.nsip.edu.au

A joint initiative of Commonwealth,
State and Territory Ministers for Education

The Digital Education Revolution

Success requires

- Access technology – devices and broadband
- Access to information – content and data
- Teacher capability – knowledge, attitudes & skills
- Enlightened leadership

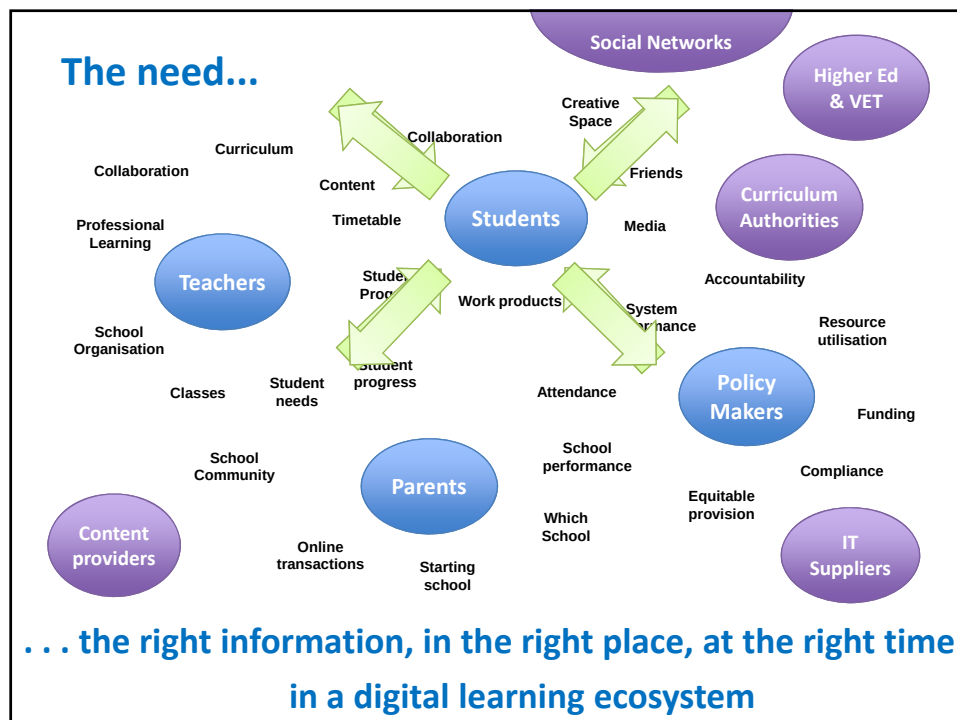
Seeking to maximise the benefits of our
combined investment in digital learning

The Digital Education Revolution

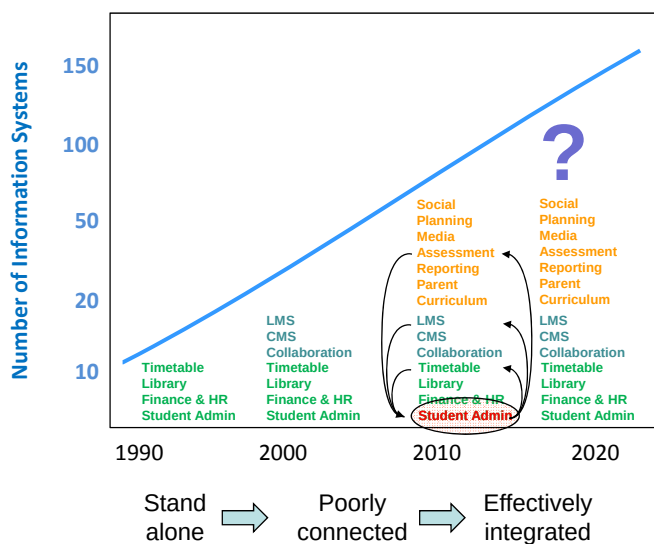
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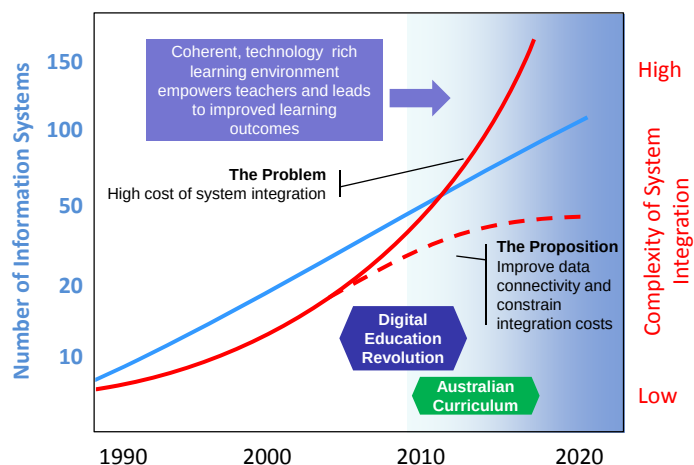
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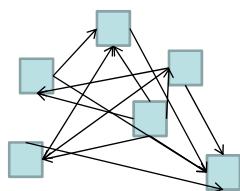
The digital education revolution....



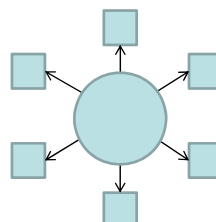
Getting the right information to the right place is a challenge....



Simplifying system integration



Point to point integration



Systems Interoperability Framework (SIF)



SIF Minimises the connection management risks between information systems: One connection versus many.

SIF Implementation Specification 1.1

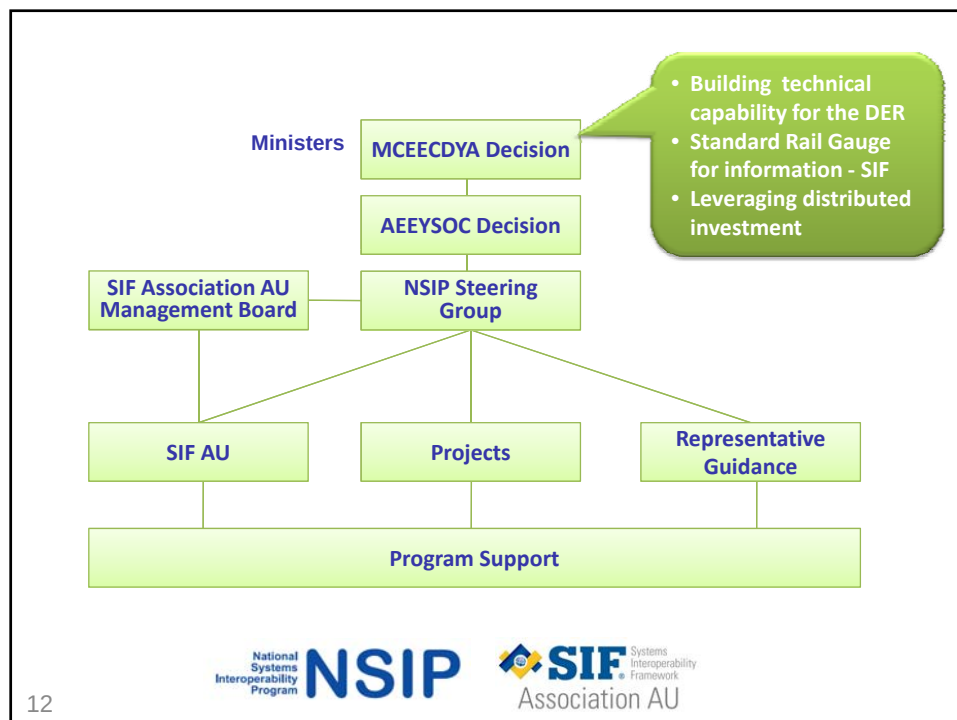


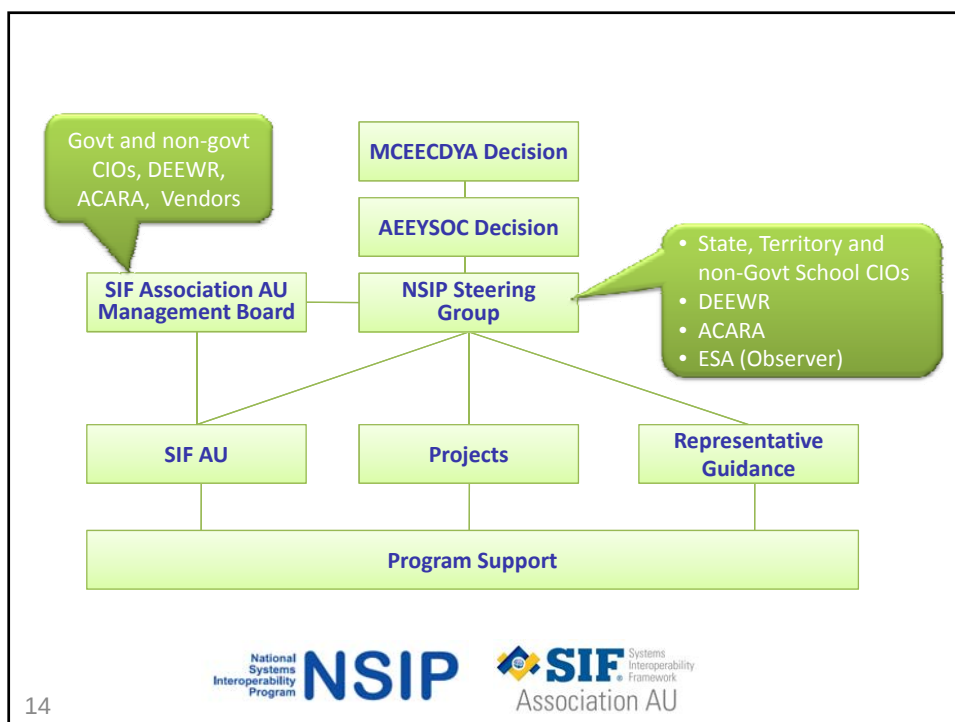
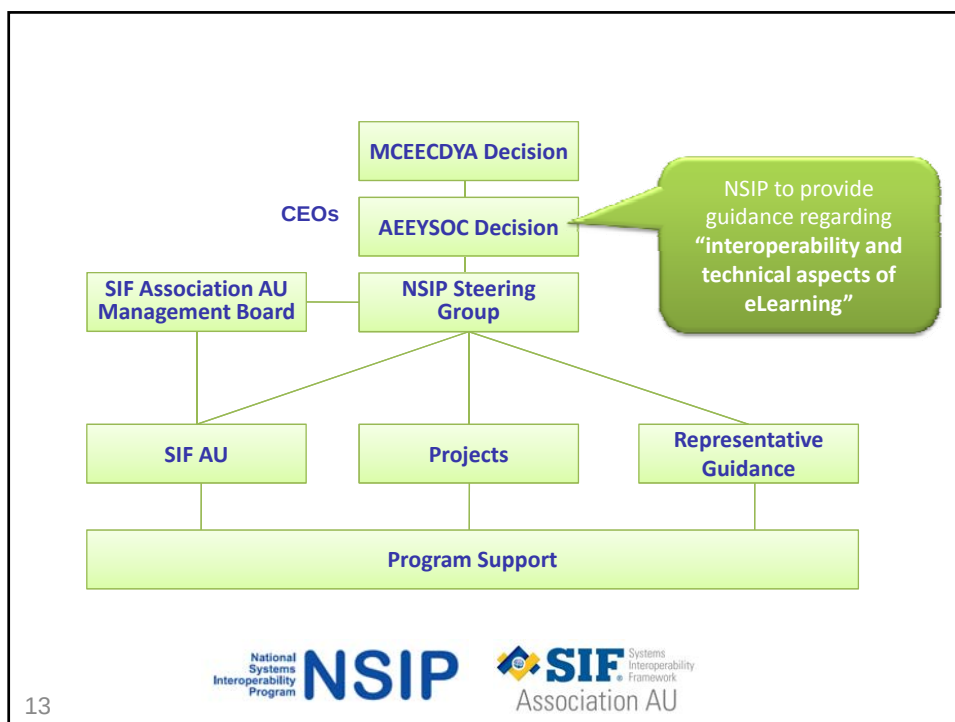


The Business Case...

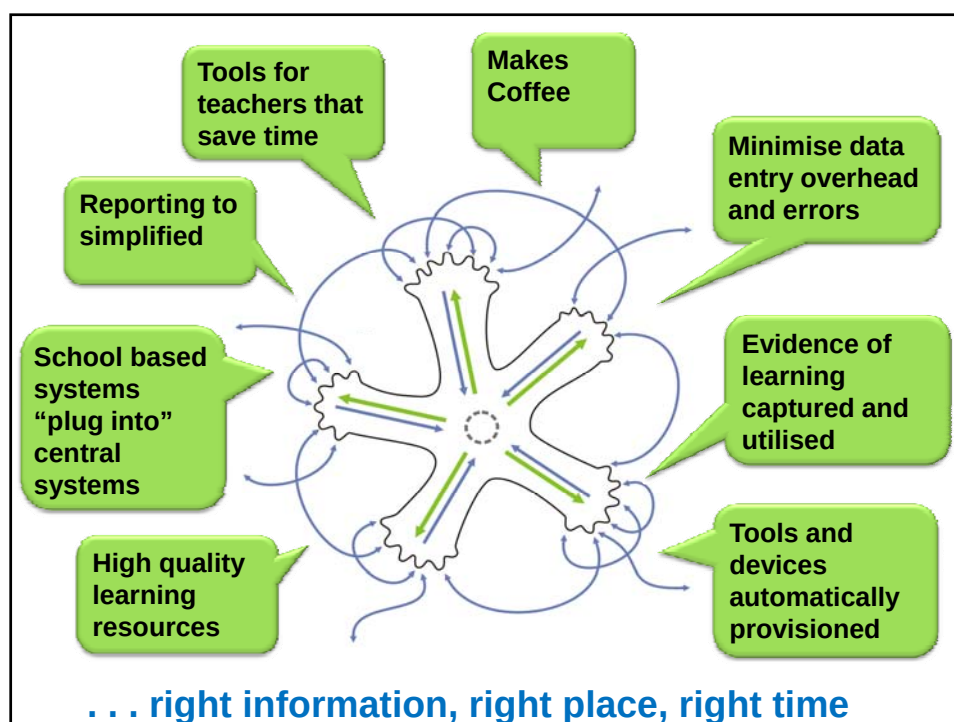
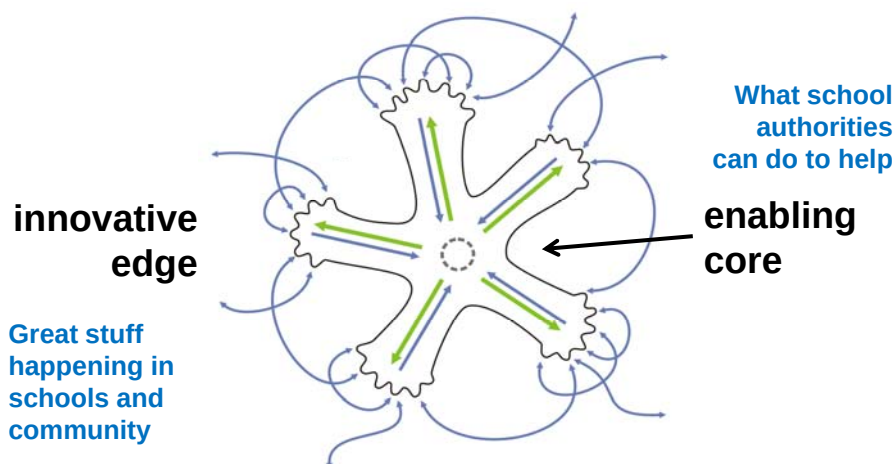
Forecast tangible and intangible benefits of supported interoperability based on SIF

- National – DER progress, savings
- Jurisdictions – deployment, risk, savings
- Schools – administration, reporting, new services
- Vendors – product integration, costs saving new markets





Building national education capability through improved interoperability



NSIP Progress to date

- Established SIF Association AU
- Release AU version of SIF Specification
- 20 Pilot and production projects
- Focus on standards, interoperability, reuse
- Knowledgebase , skills transfer, network of developers and providers
- Documented savings, strategic investment
- New model of collaboration
- Intractable problems solved

SIF Association AU Members

National Vendors

VIPTone
Visual Software
Learnology
Edumate
Blue Reef
Insight4
Redlaunch
Systemic
Clarisse Enterprises

End Users

NT Department of Education and Training
ACT Department of Territory and Municipal Services
Victorian Department of Education and Early Childhood Development
Victorian Department of Treasury and Finance
NSW Department of Education and Training

International Vendors

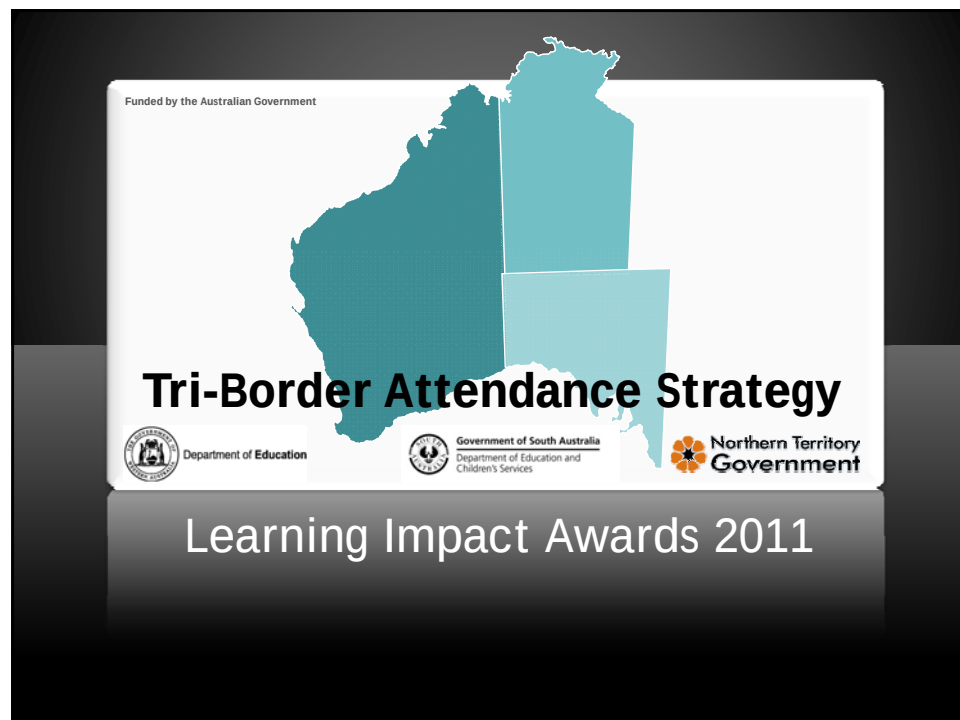
Blackboard
Microsoft
October ReSolutions
RM Education
Management Systems
Norfolk County Council

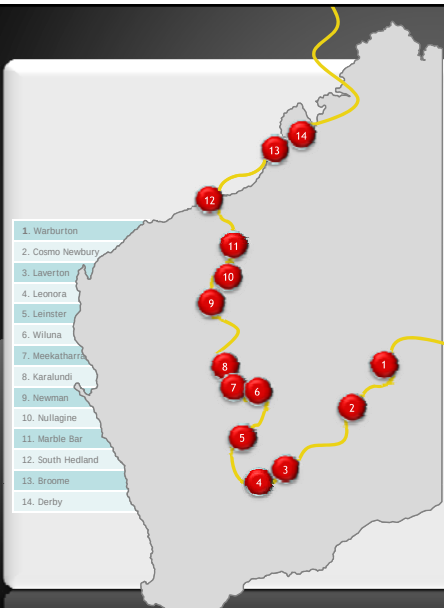
Queensland Department of Education and Training
SA Department of Education and Children's Services
Tasmanian Department of Education
WA Department of Education
Department of Education Employment and Workplace Relations (DEEWR)
Independent Schools Council of Australia (ISCA)
National Catholic Education Commission (NCEC)
Australian Curriculum and Reporting Authority (ACARA)
Education Services Australia
Catholic Network Australia
Queensland Catholic Education Commission (QCEC)
Catholic Education Offices in Adelaide, Brisbane, Melbourne, Parramatta, Perth & Wollongong

140 Organisations on interest register

Collaborators & pilot partners

- Macquarie University
- Synergetic - Computer Directions Australia (CDA)
- Scholaris International
- SEQTA Software
- Human Edge
- The Learning Edge International (Pearson)
- University of Southern Queensland





Jordan, 8 years

Within 12 months he had attended:

- 14 different schools
- Only attended 62 days of school
- Travelled 2939 km's across WA

At age 8, Jordan couldn't write his own name.

Tri-Border Attendance Strategy

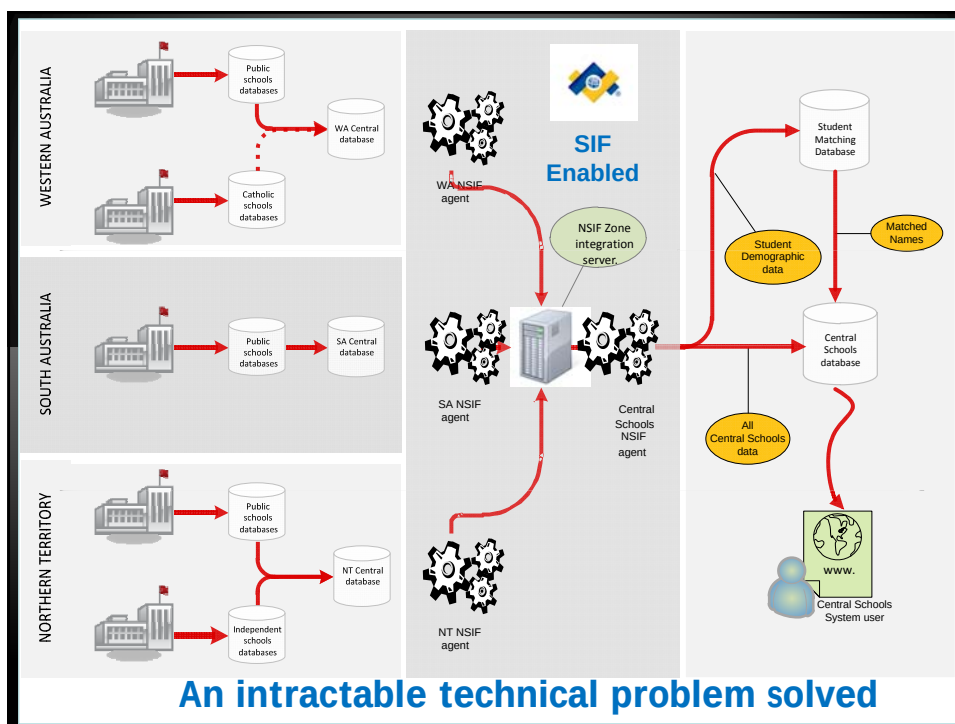
The Challenge...

Tri-Border strategy aims to:

1. Promote successful practice in enrolment, attendance and student engagement.
2. Improve attendance of highly transient students.



The vision





Australian Curriculum Connect

Learning resources for the Australian Curriculum

- **Sponsored** by ACARA and DEEWR, delivered by ESA
- **Stocktake of assets**, infrastructure, resources, methods and standards
- **Identify** which digital resources can be successfully shared
- **Develop** systems can use the “digital curriculum” to find relevant digital resources
- **Ascertain** what will work best for Schools, Teachers and Students

Australian Curriculum Connect in Scootle

AUSTRALIAN CURRICULUM CONNECT Logged in as nick.weideman@curriculum.edu.au | Australian Curriculum website

Home > Browse the curriculum

Drag and drop the content descriptions to your units of work in the left column or use the link to view elaborations and matching resources

My units of work *

* Available in Scootle under *My learning paths* as *My ACC units*

- English
- Chance
- Module
- Data

Locate curriculum content descriptions

Mathematics English Science

Mathematics Curriculum Content Descriptions

Number and Algebra	Measurement and Geometry	Statistics and Probability
Year 5 Curriculum Content Descriptions Number and place value Identify and describe factors and multiples of whole numbers and use them to solve problems View elaborations and resources Use estimation and rounding to check the reasonableness of answers to calculations View elaborations and resources	Using units of measurement Choose appropriate units of measurement for length, area, volume, capacity and mass View elaborations and resources Calculate the perimeter and area of rectangles using familiar metric units View elaborations and resources Compare 12- and 24-hour time systems View elaborations and resources	Chance List outcomes of chance experiments involving equally likely outcomes and represent probabilities of those outcomes using fractions View elaborations and resources Recognise that probabilities range from 0 to 1 View elaborations and resources

Education Services Australia

Linking Curriculum to resources

AUSTRALIAN CURRICULUM CONNECT Logged in as nick.weideman@curriculum.edu.au | Australian Curriculum website

Home > Browse the curriculum > View elaborations and discover matching resources

Drag and drop the curriculum content description or resources to add to a unit of work in the left column. Use the resource links to see an overview or view a resource.

My units of work *

* Available in Scootle under *My learning paths* as *My ACC units*

- English
- Chance
- Module
- Data

Curriculum content description

Mathematics | Year 5 | Number and Algebra | Number and place value

Identify and describe factors and multiples of whole numbers and use them to solve problems (picture-utility)

SCOT terms tagged: Factors

Elaborations

- exploring factors and multiples using number sequences (ELBM202)
- using simple divisibility tests (ELBM203)

Discover matching resource

Classroom resources (18) Teacher reference materials (1)

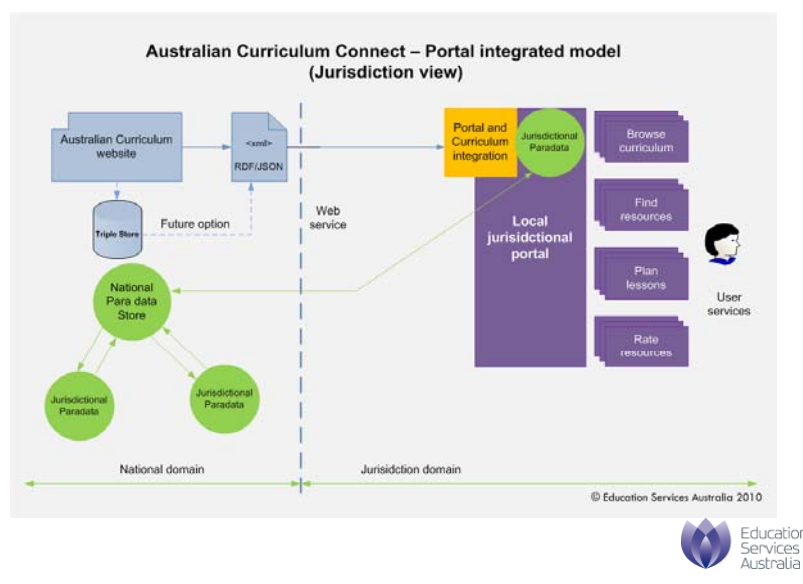
Sort by: Relevance | Title | Rating

SCOT terms used: Factors

TLF ID R10913 No rating yet Mental calculation strategies - multiplication and division Overview View resource	TLF ID L2007 No rating yet The divider: without remainders Overview View resource	TLF ID L2009 No rating yet The divider: solve your own problem Overview View resource
TLF ID L2008 No rating yet The divider: solve your own problem Overview View resource	TLF ID L2053 No rating yet The divider: solve your own problem Overview View resource	TLF ID L2054 No rating yet The divider: solve your own problem Overview View resource

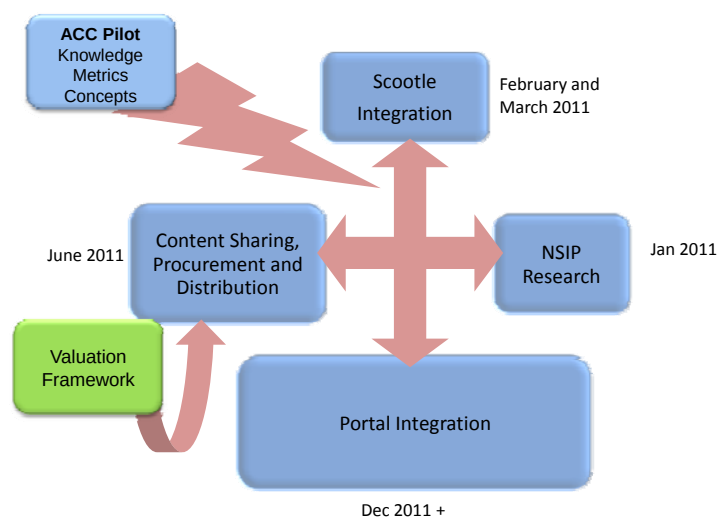
Education Services Australia

Concept of operations



ACC – Integration phase

AUSTRALIAN CURRICULUM
CONNECT



Education
Services
Australia

The future

- Supporting national & local digital education projects
Australian Curriculum Connect, Online Diagnostic Testing
- Integration with products & platforms
Moodle, Scootle, AD, etc.
- Continuing work on standards
further development of SIF AU, Open ID, IMS
- Extended collaboration and partnerships
education authorities, allied sectors, ABS, vendors, knowledge sharing, open source
- “Out of the box” interoperability for admin and learning products

**Helping deliver the
education revolution**

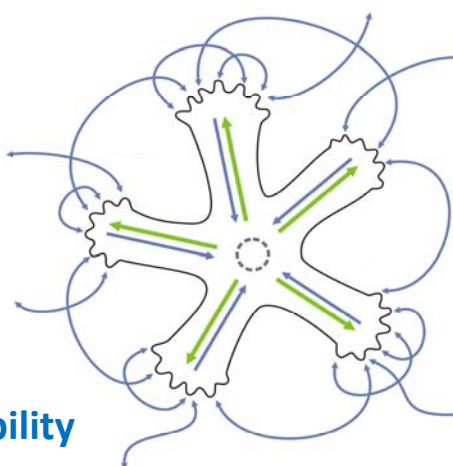
**Maximising the value
from our combined
investment in ICT for
learning and teaching**

Ask about interoperability

Look for the SIF Logo

Contact us:

bruce.rigby@nsip.edu.au
www.nsip.edu.au



National
Schools
Interoperability
Program

NSIP

SIF Systems
Interoperability
Framework
Association AU

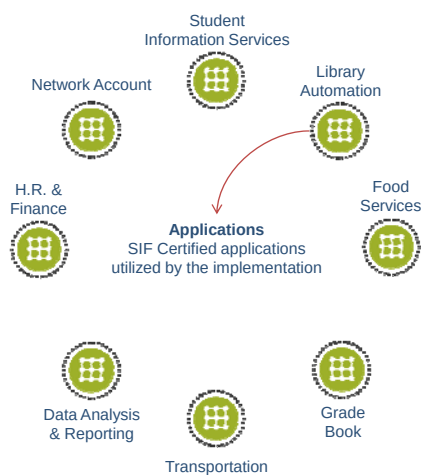
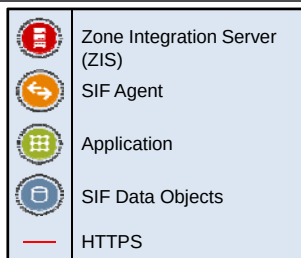
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The SIF Infrastructure

	Zone Integration Server (ZIS)
	SIF Agent
	Application
	SIF Data Objects
	HTTPS

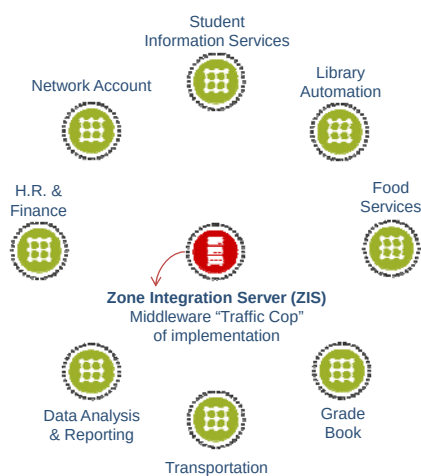
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The SIF Infrastructure



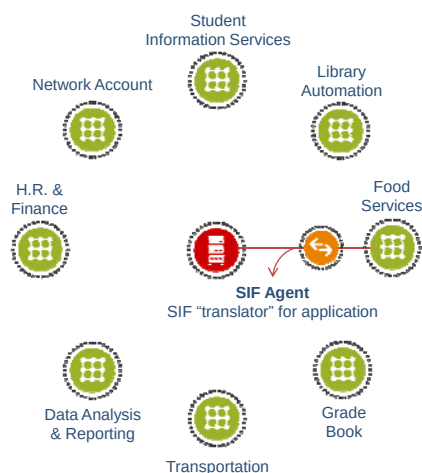
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The SIF Infrastructure



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The SIF Infrastructure



The SIF Infrastructure

