



Nesting boxes

Grade Level/s:
1, 2

Subject/s:
Mathematics, Science, Technologies Unit Plan

Type:

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Nesting boxes

e.g. Goal of the lesson, what students will learn, how it fits into their study, what resources are required etc.

Single Lesson Plan

Researching Local Bird Wildlife in Bungala Park

Task:

Task 1 - Collect data on the bird life variety at Bungala Park

Activity:

-Visit and collect data on local bird wildlife in Bungala Park - tally the amount of birds observed. -take photos of the birds to be identified.

Resources:

-non-fiction books -ipads for photos of the birds

Naming and labelling birds, their common features and body parts.

-Draw and label chosen bird, its body parts and its function. - Draw habitat to include the things a bird needs to survive. - Draw and label the life cycle of the bird.

-A3 paper dived into halves/quarters.

Identifying a variety of birds and presenting data

Task:

Identify the birds and the habitat they require

Activity:

-Research information about the types of birds living within Bungala Park -record findings -present data

Resources:

-non-fiction books -internet

Researching Natural Managed and Constructed Habitats

Task:
-explicitly teaching the difference between natural managed and constructed habitats. - discuss planting of natural habitats, is this something that can fix the problem immediately or in the future.

Look at purpose and design of nesting boxes

Inviting the NNRC back in to school to talk about local bird breeding programs and to answer our questions

Activity:
-sorting and categorising pictures into groups. -walk through school to identify and record natural, managed and constructed spaces.

-using the internet research the design and features of nesting boxes. -roof, hole, perching rod, attachment, dimensions/size, shape -students to record different types of boxes

Students listen to presentation and engage in a question and answer session that will support individual nesting box design.

Resources:
-pictures -clipboards - books/recording sheet

-internet -record sheet

prepared questions

Design a bird nesting box

Task:
Design and label a nesting box suitable for your chosen bird living in Bungala Park. Students are encouraged to use construction materials to support their understanding of design.

Activity:
Using all their learnt knowledge from previous lessons students design, draw and label a nesting box suitable for a bird that they collected data on. Students must consider the size of the bird, how the breeding box will be attached to a branch in Bungala Park e.g the roof, hole, perching rod, attachment, dimensions/size, shape -designs must be drawn as close to real size as possible using skills previously taught.

Resources:
A3 paper previous research/data non-fiction books ruler construction material for visual representation

Transferring drawn design into digital form

Task:
Use Makers Empire app to create a 3D design from a 2D drawing. Peer feedback to students and recommendations given for editing. Print designs.

Activity:
Using Shaper in the Makers Empire app, students must create a 3D design of their nesting box from their 2D drawing. - Students must ensure that : -all criteria is transferred into the 3D design -design is viewed from multiple perspectives to ensure that all parts are connected. -use the ruler tool to check the length, width and height of each shape

Resources:
ipads Makers Empire app paper design ruler

Evaluation and parent showcase.

Task:
Students give each other feedback against criteria and record any other improvements. Questions posed to students.

Activity:
If you could reprint your bird nesting box what improvements would you make?

Resources:
Criteria task sheet.

Students explain inquiry, design and printing process to parents at parent showcase.

Recreate the Makers Empire 3D Printing Showcase to be inclusive of all students.

Bird nesting boxes designs data sheets movie photos afternoon tea pin boards 3D printer 3D printed trophies for each student

Curriculum

South Australian TfEL:

- 4.4 communicate learning in multiple modes
- 3.4 promote dialogue as a means of learning
- 3.2 foster deep understanding and skilful action
- 2.4 challenge students to achieve high standards with
- 2.3 negotiate learning

Australian Curriculum:

Respond to and pose questions, and make predictions about familiar objects and events (AC SIS037)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/54ebd6fc-349a-4c52-a38a-9e4600a2dbb1>)

Using The Senses To Explore The Local Environment To Pose Interesting Questions, Make Inferences And Predictions (ELBS757)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/c45a1b46-6985-48cf-990c-9e4600a2dbb1>)

Thinking About 'What Will Happen If...?' Type Questions About Everyday Objects And Events (ELBS758)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/6f792810-0efa-4b63-b565-9e4600a2dbb1>)

Questioning and predicting
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/fb76aa97-6ddc-4594-8e58-9e4600a2dbb1>)

Use informal measurements in the collection and recording of observations, with the assistance of digital technologies as appropriate (AC SIS039)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/25e7d017-c9aa-491f-8229-9e4600a2dbb1>)

Using Units That Are Familiar To Students From Home And School, Such As Cups (Cooking), Hand Spans (Length) And Walking Paces (Distance) To Make And Compare Observations (ELBS017)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/7a05b688-a756-49f3-87ee-9f7f00ccc19b>)

Use a range of methods to sort information, including drawings and provided tables (AC SIS040)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/b9c9072b-1c0b-4478-8608-9e4600a2dbe9>)

Constructing Column And Picture Graphs With Teacher Guidance To Record Gathered Information (ELBS018)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/8a4d7409-20ec-4512-ae55-9f7f00ccc1f4>)

Sorting Information In Provided Tables Or Graphic Organisers (ELBS019)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/2c3fccf8-9a7f-4b98-98f4-9f7f00ccc1f5>)

Through discussion, compare observations with predictions (AC SIS214)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/faaa52d6-97f3-4025-87cd-9e4600a2dbe9>)

Comparing And Discussing, With Guidance, Whether Observations Were Expected (ELBS765)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/9d99eb68-7986-426c-b24a-9e4600a2dbe9>)

Processing and analysing data and information
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/6e1f0adf-3fcd-436f-a3f6-9e4600a2dbb1>)

Compare observations with those of others (AC SIS041)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/484673c3-2dad-428c-a67d-9e4600a2dbe9>)

Discussing Observations With Other Students To See Similarities And Differences In Results (ELBS766)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/256f4c95-755f-4da4-9727-9e4600a2dbe9>)

Evaluating
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/9bcad356-496a-4d36-bdc9-9e4600a2dbb1>)

Represent and communicate observations and ideas in a variety of ways such as oral and written language, drawing and role play (AC SIS042)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/4af131a8-2777-42c8-8463-9e4600a2dbb6>)

Presenting Ideas To Other Students, Both One To One And In Small Groups (ELBS767)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/e685107f-2261-4da1-87a4-9e4600a2dbb6>)

Discussing With Others What Was Discovered From An Investigation (ELBS768)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/733fec2f-4019-4316-835a-9e4600a2dbb6>)

Communicating
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/98326f8e-515e-42b2-b1c4-9e4600a2dbb6>)

Exploring What Happens When Habitats Change And Some Living Things Can No Longer Have Their Needs Met (ELBS698)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/e304b652-f716-4959-8dc4-9e4600a2dbb6>)

Using The Senses To Explore The Local Environment To Pose Interesting Questions And Making Predictions About What Will Happen (ELBS004)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/7c090330-6a93-42c2-ac9a-9f7f00ccbafa>)

Researching Ideas Collaboratively Using Big Books, Web Pages And Ict Within The Classroom (ELBS008)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/67ac5aad-72c2-4669-b860-9f7f00ccbc15>)

Exploring Different Ways Of Solving Science Questions Through Guided Discussion (ELBS006)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/c9419181-b4b2-4165-a505-9f7f00ccbc15>)

Sorting Information And Classifying Objects Based On Easily Observable Characteristics With Teacher Guidance (ELBS005)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/7ddc4e54-f292-45c4-9b2d-9f7f00ccbc15>)

Use informal measurements in the collection and recording of observations, with the assistance of digital technologies as appropriate (AC SIS026)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/93e2b55d-64f8-4748-b764-9e4600a2dbe9>)

Using Units That Are Familiar To Students From Home And School, Such As Cups (Cooking), Hand Spans (Length) And Walking Paces (Distance) To Make And Record Observations With Teacher Guidance (ELBS009)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/05bcf180-e45d-4b6c-b94d-9f7f00ccbc6f>)

Use a range of methods to sort information, including drawings and provided tables (AC SIS027)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/4de6a444-7703-4a7e-9a49-9e4600a2dbe9>)

Using Matching Activities, Including Identifying Similar Things, Odd One Out And Opposites (ELBS012)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/63b9b267-613e-471a-b62c-9f7f00ccbc2b>)

Exploring Ways Of Recording And Sharing Information Through Class Discussion (ELBS010)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/3f73cf27-f2c4-411d-8e54-9f7f00ccbc2b>)

Jointly Constructing Simple Column Graphs And Picture Graphs To Represent Class Investigations (ELBS011)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/f7af0394-ae97-47a0-a34f-9f7f00ccbc2b>)

Through discussion, compare observations with predictions (AC SIS212)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/3eb92250-9177-4ab5-ab00-9e4600a2dbe9>)

Discussing Original Predictions And, With Guidance, Comparing These To Their Observations (ELBS015)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/40df90c1-3e96-4410-8026-9f7f00ccbd0a>)

Processing and analysing data and information
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/38d83073-952d-47f7-8a93-9e4600a2dbb1>)

Compare observations with those of others (AC SIS213)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/cb6afc7e-ff7b-427a-9476-9e4600a2dbe9>)

Discussing Observations As A Whole Class To Identify Similarities And Differences In Their Observations (ELBS016)
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/56c447f5-8392-4d1d-b692-9f7f00ccbc40>)

Evaluating
link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/eccd471c-1a6e-4d54-a42a-9e4600a2dbe9>)

Represent and communicate observations and ideas in a variety of ways such as oral and written language, drawing and role play (AC SIS029)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/43314e20-f580-4618-9600-9e4600a2dbb6>)

Discussing Or Representing What Was Discovered In An Investigation (ELBS013)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/abbbeb59-2e12-4312-a7ac-9f7f00ccb49>)

Engaging In Whole Class Or Guided Small Group Discussions To Share Observations And Ideas (ELBS014)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/49ee09e3-7048-4e5c-be99-9f7f00ccb49>)

Communicating

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/3813f103-7061-4fa7-8d98-9e4600a2dbb6>)

Understanding That In Order To Compare Objects, The Unit Of Measurement Must Be The Same Size (ELBM051)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/226aaafb-ada2-4c10-95db-9e4600a25384>)

Measure and compare the lengths and capacities of pairs of objects using uniform informal units (ACMMG019)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/ed14ae60-33a0-4f3a-82a1-9e4600a25384>)

Focusing On Geometric Features And Describing Shapes And Objects Using Everyday Words Such As 'corners', 'edges' And 'faces' (ELBM054)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/798eac18-18b0-43ce-b70e-9e4600a25342>)

Recognise and classify familiar two-dimensional shapes and three-dimensional objects using obvious features (ACMMG022)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/166001a8-4468-4ce4-8da0-9e4600a25342>)

Shape

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/db19161f-92aa-4c80-b9ec-9e4600a25342>)

Choose simple questions and gather responses (ACMSP262)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/59544483-7b2f-41c2-9ce2-9e4600a25376>)

Determining Which Questions Will Gather Appropriate Responses For A Simple Investigation (ELBM072)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/8a42beca-b423-43b6-8e36-9e4600a25376>)

Represent data with objects and drawings where one object or drawing represents one data value. Describe the displays (ACMSP263)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/1a7ca383-0e79-48cd-b53d-9e4600a25376>)

Understanding One To One Correspondence (ELBM073)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/2bb89f88-a329-4563-bb39-9e4600a25376>)

Describing Displays By Identifying Categories With The Greatest Or Least Number Of Objects (ELBM074)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/7312136c-1cd5-48d1-bf34-9e4600a25376>)

Data representation and interpretation

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/1dc92b4e-032a-4450-bdad-9e4600a25350>)

Comparing Lengths Using Finger Length, Hand Span Or A Piece Of String (ELBM075)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/7d82c0ee-378b-4448-a314-9e4600a2537f>)

Describe and draw two-dimensional shapes, with and without digital technologies (ACMMG042)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/cedd2660-5fe2-481f-b64a-9e4600a25384>)

Identifying Key Features Of Squares, Rectangles, Triangles, Kites, Rhombuses And Circles, Such As Straight Lines Or Curved Lines, And Counting The Edges And Corners (ELBM082)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/344dcfa5-ee9b-4e93-805d-9e4600a25384>)

Describe the features of three-dimensional objects (ACMMG043)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/7d9740ef-1600-4a6a-8dfd-9e4600a25384>)

Identifying Geometric Features Such As The Number Of Faces, Corners Or Edges (ELBM085)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/b38775f0-7a4d-4443-8c70-9e4600a25384>)

Shape

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/5842bb2c-7938-42eb-8b78-9e4600a25342>)

Exploring Facilities In Local Environments For Accessibility And Environmental Impact, For Example Location Of Bike Tracks And Sporting Fields Using Digital Maps To View Local Area (ELBT260)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/0c3a8292-1ff5-4ec3-b86d-7b18b78c8f4c>)

Experimenting With Techniques To Combine Or Alter Materials To Satisfy A Function (ELBT124)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/1f1bf98f-3c06-46f7-96cc-c2c1feaae80b>)

Exploring Opportunities Around The School For Designing Solutions, For Example How School Play Areas Could Be Improved; How The School Removes Classroom Waste And Identifying Opportunities To Reduce, Recycle And Re Use Materials; Reviewing The School Canteen Menu To Identify Healthy Food Options And Suggesting Changes To Promote Future Good Health (ELBT331)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/38cdc708-5de3-4102-bb9b-5a3b4d3e08e7>)

Discussing Possible Designed Solutions Based On Experience And Some Research, For Example Asking Adults For Advice (ELBT248)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/2f54486b-f1b5-4236-9331-7f33b34786f8>)

Considering The Importance Of Sustainability In Designed Solutions, For Example Comparing The Durability Of Materials For A Selected Solution (ELBT213)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/b0aa29eb-e7e9-4c49-a975-901ab95141f1>)

Communicating Design Ideas By Modelling, And Producing And Labelling Two Dimensional Drawings Using A Range Of Technologies To Show Different Views (Top View And Side View), For Example A New Environment Such As A Cubby House Or Animal Shelter (ELBT403)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/67bb8696-3d3d-484d-881a-3387728c85b1>)

Recording A Judgment About Design Ideas With Teacher Guidance, For Example Expressing Own Likes And Dislikes About A Design Idea (ELBT173)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/0ac8c388-a7c8-4758-8f00-ab267b1671a4>)

Describing How Design Ideas Meet The Needs Of Those Who Will Use The Solution (ELBT428)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/4a23db9e-2adf-4733-985f-266ac8f0e53f>)

Use personal preferences to evaluate the success of design ideas, processes and solutions including their care for environment (ACTDEP008)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/998b4284-d800-448b-a578-b1077260fa8a>)

Developing Criteria For Success With Teacher Guidance Including Consideration Of Impact On Environment (ELBT82)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/ac7e286c-f0f4-40a3-a19a-d9a15397118a>)

Recording A Judgment About Design Ideas With Teacher Guidance, For Example Expressing Own Likes And Dislikes About A Design Idea (ELBT51)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/5bb27d4a-fd06-4ce4-804b-e7d01231aad8>)

Reflecting On The Processes And Challenges Of Designing And Producing A Solution And Sharing These Reflections Using Digital Technologies, For Example When Growing A Food Product, Designing A Structure To Take A Load Or Making A Nutritious Snack (ELBT147)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/e7f98446-7be1-4f91-9e1c-b63e225e2644>)

Suggesting Areas For Design Improvement (ELBT232)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/e00506a7-0fe3-467b-92a9-864205fcdacc>)

Representing Personal Growth And Changes From Birth (ELBS732)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/e2307607-24f7-4ad5-aac3-9e4600a2dbac>)

Recognising That Living Things Have Predictable Characteristics At Different Stages Of Development (ELBS733)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/0ca6a35e-d725-48ed-afb4-9e4600a2dbac>)

Exploring Different Characteristics Of Life Stages In Animals Such As Egg, Caterpillar And Butterfly (ELBS734)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/50fc9823-3527-4fa3-ae21-9e4600a2dbac>)

Observing That All Animals Have Offspring, Usually With Two Parents (ELBS735)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/b82dafa0-2916-41a7-a630-9e4600a2dbac>)

Living things grow, change and have offspring similar to themselves (ACSSU030)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/fc147845-c55a-483d-a4c3-9e4600a2dbac>)

Biological sciences

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/c44c4760-eca6-46aa-a892-9e4600a2dbac>)

Monitoring Information About The Environment And Earth's Resources, Such As Rainfall, Water Levels And Temperature (ELBS752)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/65119c06-c269-4b5c-af00-9e4600a2dbb1>)

Finding Out About How Aboriginal And Torres Strait Islander People Use Science To Meet Their Needs, Including Food Supply (ELBS753)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/a634e465-5bb6-4849-83ed-9e4600a2dbb1>)

Exploring How Different Cultures Have Made Inks, Pigments And Paints By Mixing Materials (ELBS754)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/90cff4ee-aca8-401c-95af-9e4600a2dbb1>)

Identifying The Ways Humans Manage And Protect Resources, Such As Reducing Waste And Caring For Water Supplies (ELBS755)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/fa1cbf46-bc6b-4f8a-9041-9e4600a2dbb1>)

Recognising That Many Living Things Rely On Resources That May Be Threatened, And That Science Understanding Can Contribute To The Preservation Of Such Resources (ELBS756)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/720ac280-7938-4cac-9f4e-9e4600a2dbb1>)

People use science in their daily lives, including when caring for their environment and living things (ACSHE035)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/73092e00-9193-49fa-9f38-9e4600a2dbb1>)

Use and influence of science

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/23ff4aef-c190-4b00-8826-9e4600a2dbb1>)

Manipulating Objects And Materials And Making Observations Of The Results (ELBS759)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/abf59b5d-29a3-448a-bc3c-9e4600a2dbb1>)

Researching With The Use Of Simple Information Sources (ELBS760)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/31a1f2c5-f0a2-4902-b140-9e4600a2dbb1>)

Sorting Objects And Events Based On Easily Identified Characteristics (ELBS761)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/7ee9cdfb-7c9d-4d1a-b38d-9e4600a2dbb1>)

Participate in different types of guided investigations to explore and answer questions, such as manipulating materials, testing ideas, and accessing information sources (AC SIS038)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/75c8d7a7-6a27-4692-8b2d-9e4600a2dbb1>)

Planning and conducting

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/f354e8bf-2acd-45a8-b6ac-9e4600a2dbb1>)

Science Inquiry Skills

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/ff19042e-1c46-4bfa-849d-9e4600a2dbb1>)

Jointly Constructing Questions About The Events And Features Of The Local Environment With Teacher Guidance (ELBS001)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/df0f0fb5-b80e-484a-9c21-9f7f00ccba60>)

Recognising That Descriptions Of What We Observe Are Used By People To Help Identify Change (ELBS002)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/88987227-0729-456a-b4a9-9f7f00ccba64>)

Science involves asking questions about, and describing changes in, objects and events (ACSHE021)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/eb9b7d92-6aa2-4a18-8597-9e4600a2dbac>)

Considering How Science Is Used In Activities Such As Cooking, Fishing, Transport, Sport, Medicine And Caring For Plants And Animals (ELBS715)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/08933512-7b89-4dd9-8b8c-9e4600a2dbb1>)

Considering That Technologies Used By Aboriginal And Torres Strait Islander People Require An Understanding Of How Materials Can Be Used To Make Tools And Weapons, Musical Instruments, Clothing, Cosmetics And Artworks (ELBS716)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/049fd1a8-49d5-42a2-9a36-9e4600a2dbb1>)

Exploring How Musical Instruments Can Be Used To Produce Different Sounds (ELBS717)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/62a1765f-a6e0-4710-911d-9e4600a2dbb1>)

Comparing How Different Light Sources Are Used In Daily Life (ELBS718)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/a76b9d37-4cf6-4532-b803-9e4600a2dbb1>)

Identifying Ways That Science Knowledge Is Used In The Care Of The Local Environment Such As Animal Habitats, And Suggesting Changes To Parks And Gardens To Better Meet The Needs Of Native Animals (ELBS719)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/33cb85e7-de01-407d-b93f-9e4600a2dbb1>)

People use science in their daily lives, including when caring for their environment and living things (ACSHE022)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/c05a9757-c222-422d-b175-9e4600a2dbb1>)

Nature and development of science

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/b6d70fea-510c-4e78-aaf7-9e4600a2dbac>)

Use and influence of science

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/390e0651-b83a-425e-9ef0-9e4600a2dbb1>)

Thinking About "What Will Happen If....?" Type Questions About Everyday Objects And Events (ELBS003)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/cc11c0cb-6bc1-4d9c-8a96-9f7f00ccbafa>)

Respond to and pose questions, and make predictions about familiar objects and events (AC SIS024)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/4200caf7-7a90-4795-8103-9e4600a2dbb1>)

Manipulating Objects And Making Observations Of What Happens (ELBS007)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/237c40ce-5d8c-4e01-acdc-9f7f00ccbc15>)

Participate in different types of guided investigations to explore and answer questions, such as manipulating materials, testing ideas, and accessing information sources (AC SIS025)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/34b4ea16-7f9e-49af-8f5c-9e4600a2dbe9>)

Questioning and predicting

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/f9fe2c8d-509c-4c61-8df6-9e4600a2d5b1>)

Planning and conducting

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/6c2e215e-4d6e-4bf9-bd3c-9e4600a2d5b1>)

Science as a Human Endeavour

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/9046ca5e-e2b6-460b-838a-9e4600a2dba8>)

Science Inquiry Skills

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/c483fd09-657f-4cb0-b591-9e4600a2d5b1>)

Describing The Use Of Animal Body Parts For Particular Purposes Such As Moving And Feeding (ELBS700)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/4e0af9e6-fed8-4bc7-874d-9e4600a2d5be>)

Achievement Standard

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/056dba1f-62d0-4d7a-a368-9f7f00cca2d6>)

Create displays of data using lists, table and picture graphs and interpret them (ACMSP050)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/75531155-22d0-42f2-b3a0-9e4600a25355>)

Creating Picture Graphs To Represent Data Using One To One Correspondence (ELBM117)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/4361e3f0-93f7-4c4f-9a0d-9e4600a25355>)

Comparing The Usefulness Of Different Data Displays (ELBM118)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/9638615a-9724-4eff-a46d-9e4600a25355>)

Recognising The Usefulness Of Tally Marks (ELBM115)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/956d968c-d23f-4625-bac4-9e4600a25355>)

Identifying Categories Of Data And Using Them To Sort Data (ELBM116)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/bfa48855-a817-441a-ac87-9e4600a25355>)

Collect, check and classify data (ACMSP049)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/7bf4be4f-f4f3-42c4-80c4-9e4600a25355>)

Exploring Designed Solutions To Meet Individual, Family And Community Needs With A Focus On Materials, For Example

Fabrics Used For Sports Clothing, Soft Fall For Play Spaces (ELBT288)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/3a10aa3c-6f9d-4950-af14-6d4fcec357c1>)

Developing New Meanings For Objects And Action During Play, For Example Exploring How Household Packaging Can Be

Used To Represent Other Objects (ELBT150)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/fcde8459-3f38-4bfe-b6f5-b552310e0e1b>)

Exploring Systems Used In The Classroom Or Community For Creatively Dealing With Problems And Needs, For Example

Storage Systems For Equipment, Traffic System Flow For Drop And Go Zones, The Use Of Hoists And Ramps To Facilitate

Access (ELBT175)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/5a102cc9-f9b2-4d32-8a1a-a9818cc97efc>)

Exploring Materials, Components, Tools And Equipment Through Play To Discover Potential Uses When Making Products

Or Modelling Services And Environments, For Example When Designing And Making Clothes, Toys And Shelters (ELBT107)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/dfd57043-8193-4e27-ac2e-ca4ad93c931f>)

Explore the characteristics and properties of materials and components that are used to produce designed solutions

(ACTDEK004)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/812a471e-323c-451c-ac9f-51422d449b1f>)

Foundation To Year 2 Achievement Standard

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/ee08b8bb-cbab-40cc-ac39-9d9d6e6ecc8c>)

Explore needs or opportunities for designing, and the technologies needed to realise designed solutions (ACTDEP005)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/b112eddc-cc2f-4454-8a8b-8688a20409bf>)

Identifying, Gathering And Playing With Materials, Components, Tools And Equipment To Generate Personal Design

Ideas, For Example Designing A Greeting Card For A Friend (ELBT57)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/c90b1992-fa87-4644-ad93-e265cd2b96c4>)

Exploring Which Tools, Equipment And Techniques To Use With Selected Materials (ELBT474)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/840979fa-f77f-4943-bde5-075ad00dc493>)

Visualise, generate, develop and communicate design ideas through describing, drawing and modelling (ACTDEP006)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/24ae30d0-93ed-4bd9-b41f-49e668030a70>)

Comparing And Contrasting Features Of Existing Products To Provide New Ideas, For Example Exploring Toys With

Several Movable Parts With The View To Designing And Making A Simple Puppet With One Movable Part (ELBT89)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/71e66613-c94e-48a8-b6b0-d51444f8725d>)

Identifying One Common Testing Method, And Recording Results, For Example Taste Testing Comparisons Of A Food

Product And Recording Results In A Digital Form (ELBT142)

link (<http://rdf.australiancurriculum.edu.au/elements/2014/09/6db5b3c8-7ca7-40b8-957a-b887226f43be>)