

**CURRICULUM SUGGESTIONS FOR AN INTEGRATED UNIT
FOR PRE-YEAR 1 CHILDREN ABOUT SHOWING HOW AN
EXAMPLE OF BIOMIMICRY DERIVES FROM GOD'S DESIGN.**

In our competitions, 'Pre-Year 1' refers to all children who are below Year 1, such as Preps, Pre-Preps, Kindergarten, Pre-Kindergarten, Reception, Transition, etc.

The suggestions on the following two pages show which activities Pre-Year 1 children could undertake for each curriculum area, and for which of the six categories of competition they might be relevant.

For the purposes of our competitions, 'biomimicry' is defined as ***man copying or imitating an aspect of life that God has already designed, to produce materials, structures and / or systems benefitting people.***

For Pre-Year 1 children, this definition could be simplified to ***people copying what God has already designed (made).***

Please note :

Entries from children in the Pre-Year 1 section may be individual, group or whole class entries.

Rules for entries for this section are relaxed in comparison with the post-Year 1 sections, to make allowances for the emerging capabilities of Pre-Year 1 children.

Pre-Year 1 children may contribute to a group or whole class effort that can be submitted as an entry.

If an entry is unable to be submitted, or is not thought appropriate to be submitted, an adult (eg. parent or Kindergarten teacher) is welcome to send in a (preferably typed) list of names of those Pre-Year 1 children who participated, with a brief explanation on one **non-competitive entry form** of what the children did, so they can each be issued with a participation certificate.

Entries from Pre-Year 1 children may be oral, pictorial or photographic, in accordance with their emerging capabilities with writing and speaking. An adult (eg. parent or Preps Teacher) may need to enclose some notes about what the children did for their entry.

ICT entries for this age group can be compilations of photographs put together by an appropriate adult (eg. parent, Kindergarten or Preps teacher or aide / assistant).

A major emphasis for the Pre-Year section of these competitions is that children of this age range are able to participate in play based learning at their level, and to have their participation affirmed (eg. via participation certificates), irrespective of what their entry ends up looking or sounding like.

+ beside an activity number means a relevant resource is available for loan from the Creation Education Resource Centre.

Creative Arts.**categories of competition in Semester 1, 2016**

activity	Poster	Song	Writing	Science	Maths	ICT
P1. make a decoration or diorama using plastic or silk flowers (eg. Genesis 1 : 11)	√			√		
P2. use a photo to create a poster of people copying an aspect of life God created (eg. Gen 1:11, 20 or 24)	√			√		
P3. make robot puppets for a puppet play that shows how robots mimic human actions			√	√		√
P4. create a poster advertising the play of P3 above	√				√	
P5. make a collage of inventions copying aspects of life that God created (eg. copters, planes, subs)	√			√		
P6. make an artwork using leaf rubbings or prints	√					

Performing Arts.**categories of competition in Semester 1, 2016**

activity	Poster	Song	Writing	Science	Maths	ICT
P1. practise & then record children singing 'All Things Bright & Beautiful' (Nehemiah 9:6)		√				
P2. use bird sounds to add to the performance of P1 above (Ecclesiastes 12 : 4C)		√				
P3. fit your own words to the tune of P1 and record the children singing it (2 Chronicles 29: 30)		√				
P4. using simple costumes and props, act out people copying an aspect of life God created			√			
P5. arrange a fancy dress party with each child in an animal costume and mask		√	√			√
P6. make up and perform a play about pilots flying aeroplanes modelled on God's designed birds			√	√	√	√

Health and Physical Education.**categories of competition in Semester 1, 2016**

activity	Poster	Song	Writing	Science	Maths	ICT
P1. survey lunch foods to note which items contain imitation ingredients		√	√	√		√
P2. set up an obstacle course featuring attributes that jungle animals would encounter	√		√		√	√
P3. set up a healthy fish tank and share how it imitates nature that God designed	√	√	√	√	√	√
P4. set up a worm farm for food scraps and share how it imitates God's nutrient rich provision for worms	√	√	√	√	√	√
P5. use flippers when swimming				√		√
P6. use kickboards across a pool using frog kick				√		√
P7. make a toy that spins as it falls like some seeds do				√		

English Language Arts.**categories of competition in Semester 1, 2016**

activity	Poster	Song	Writing	Science	Maths	ICT
P1. make an illustrated storybook about people copying an aspect of life God created			√			
P2. + read the picture book 'All Things Bright & Beautiful' (Nehemiah 9:6) to the children			√			
P3. + read the picture book 'God Thought Of It First' (Genesis 1:20, 24) to the children		√	√	√		
P4. describe and illustrate your favourite part of the book of P2 or P3 above	√		√	√		√
P5. produce an illustrated dictionary containing three or more listings about people copying an aspect of life God created		√	√		√	
P7. read a poem or rhyme about people copying an aspect of life God created			√			

Social Studies, including History.**categories of competition in Semester 1, 2016**

activity	Poster	Song	Writing	Science	Maths	ICT
P1. play dress ups with wigs			√	√		√
P2. make, and play with, snowshoes to mimic the feet of snowshoe rabbits			√	√		√
P3. play games that mimic animal movements (eg. leapfrog)	√	√	√			√
P4. note the use, and origin of, pyrethrum in insect repellents	√			√		
P5. observe child safety, via helmets and /or knee pads, imitating the armadillo	√		√	√		
P6. play dress ups with camouflage costumes, to mimic camouflaged creatures (eg. chameleon)			√	√		√
P7. discuss the use of baby carriers that mimic animals caring for their young (eg. kangaroo pouches)			√	√		

Science.**categories of competition in Semester 1, 2016**

activity	Poster	Song	Writing	Science	Maths	ICT
P1. make and fly model hang gliders to mimic the flight of sugar glider possums	√			√		√
P2. make a terrarium and set up a temporary habitat for an insect or crab				√		√
P3. visit a rockpool and observe a natural habitat for a crab				√		√
P4. play with a big spray to mimic the trunks of elephants spraying water			√	√		√
P5. play with velcro to see how it works, based on the spines of burrs				√	√	
P6. make & paint a paper mache or cardboard model of a helicopter, aeroplane or a submarine	√		√	√	√	
P7. make a greenhouse / shadehouse and set up a temporary habitat for plants			√	√	√	√
P8. note the lighting effect of a shaded area for growing lower story forest plants			√	√	√	
P9. make and fly paper aeroplanes, based on God's design features of birds				√	√	
P10. make and play in aeroplanes made out of cardboard boxes etc, based on God's design features of birds						
P11. set up an aquarium as a temporary habitat for aquatic creatures and share how it imitates nature that God designed			√	√	√	√
P12. put catfish into an aquarium and observe how they clean slime off the inside				√	√	
P13. set up a healthy frog pond and share how it imitates nature that God designed				√	√	
P14. note how a cat scratch post imitates a tree			√	√		
P15. visit a zoo to see environments (eg. polar, tropical, burrows) set up to house / display different animals				√		√

Mathematics.**categories of competition in Semester 1, 2016**

activity	Poster	Song	Writing	Science	Maths	ICT
P1. notice dragonflies and draw or otherwise record their range of movements					√	√
P2. make some different designs for chook nests and record numbers of eggs laid in each					√	
P3. make a working model of a chambered nautilus and show how it rises and sinks, as inspiration for subs					√	√
P4. make a picture graph showing numbers of different creatures in Science activities above					√	
P5. use tally marks to survey different toy animals available for playing with					√	