

## **A Message from the Assistant National Cub Leader Welcome to the Cub Section National Programme for Term 2, 2017.**

Welcome to Term 2!

After a lot of positive feedback from term 1, I have kept a similar format for term 2. This term's theme - AIR has given me a few challenges to find suitable activities!

On the last night of this term I have suggested that leaders, if they feel comfortable (and confident), can demonstrate to the Cubs "Sugar Rockets". This is something that children absolutely love to watch, but we as leaders need to make sure we use our common sense. Please do not go "all out" and make rockets bigger than the suggested design. I have chosen this set up for its quick burn, so as not to create a fire risk. If you want a bigger rocket, I strongly suggest that you find out if you have a rocket club in your area. If you are unable to find fuses or the required ingredients, please send me an email and I can point you in the right direction, or supply at cost. Also remember that you will need to complete AIF and RAMS for this activity.

1. You can choose to do the weekly programmes in a different order, and to substitute some of the activities or programmes, but we ask that you do keep to the theme of "**All Fired Up - Air**" and cover the same sorts of topics.
2. Read the programmes through now and look forward to well-planned Term 2 programmes. The major events and visits will **require forward planning**. Make bookings, and seek out locations, well ahead for when you need them to attend.
3. Coming-In Activities are designed to be done as Cubs arrive, before the start time. Do not allow these activities to run on, into the meeting time. Get your Six Leaders to help run them.
4. If you have a new youth member, take him/her aside for around 10 minutes of the programme each night for three (3) weeks and go over the requirements of the Cub Badge with them. On the fourth night they should be invested at the beginning or end of the meeting. Please make sure the Cub parents/caregivers know when you are investing the Cub so they can attend.
5. Success depends on your enthusiasm and positive presentation of the programme. Make it exciting and have fun!
6. Remember to challenge the GOLD award Cubs. The programme is set for the Bronze Award and you may need to add more of a challenge for these Cubs.
7. Fill in an Activity Intention Form (and a Risk Management (RAMS) Sheet) at least two weeks before the activity, and discuss them with your Group Leader. These forms are available from your Group Leader, or on the SCOUTS New Zealand website at <http://scouts.org.nz>. Ensure you have the most current version.

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**2017 TERM 2 - Suggested Programme**  
**"Air"**

| Week | Date    | Activity                        | Description  | Special Requirements   |
|------|---------|---------------------------------|--|--|
| 1    | 1 May   | Egg Drop Challenge              | <ul style="list-style-type: none"> <li>Dropping raw eggs without breaking them.</li> </ul>                   | <ul style="list-style-type: none"> <li>Challenge materials</li> </ul>  |
| 2    | 8 May   | J.O.T.T / Mothers Day           | <ul style="list-style-type: none"> <li>Jamboree on the trail<br/>OR</li> <li>Mothers Day</li> </ul>          | <ul style="list-style-type: none"> <li>Hike prep<br/>OR</li> <li>Mothers Day activity</li> </ul>   |
| 3    | 15 May  | Air Bazooka's                   | <ul style="list-style-type: none"> <li>Making Air Bazooka's from 20 litre buckets</li> </ul>                 | <ul style="list-style-type: none"> <li>20 Litre buckets with lids etc.</li> </ul>  |
| 4    | 22 May  | Using Air                       | <ul style="list-style-type: none"> <li>Activities around using Air in our everyday lives.</li> </ul>         | <ul style="list-style-type: none"> <li>Making supper using Air</li> </ul>  |
| 5    | 29 May  | Science with Air                | <ul style="list-style-type: none"> <li>Simple science experiments using Air</li> </ul>                       | <ul style="list-style-type: none"> <li>Prepared science activities</li> </ul>  |
| 6    | 5 June  | Playing with Air                | <ul style="list-style-type: none"> <li>Games using Balloons of Air</li> </ul>                                | <ul style="list-style-type: none"> <li>Prepared games using Balloons</li> </ul>  |
| 7    | 12 June | Air Conservation                | <ul style="list-style-type: none"> <li>Conserving the quality of our Air</li> </ul>                          | <ul style="list-style-type: none"> <li>Guest speaker/s</li> <li>Conservation Badge work</li> </ul>   |
| 8    | 19 June | Matariki / Winter Solstice      | <ul style="list-style-type: none"> <li>Celebrating Maori New Year<br/>OR</li> <li>Winter Solstice</li> </ul> | <ul style="list-style-type: none"> <li>Visit an observatory</li> <li>Make flax stars</li> </ul>  |
| 9    | 26 June | Air Challenge - Flight          | <ul style="list-style-type: none"> <li>Paper Dart competition</li> </ul>                                     | <ul style="list-style-type: none"> <li>A4 Paper</li> <li>Stopwatch</li> <li>Measuring Tape</li> </ul>  |
| 10   | 3 July  | Balloon Rockets / Sugar Rockets | <ul style="list-style-type: none"> <li>Balloon Rockets</li> <li>Sugar Rocket Demonstration</li> </ul>        | <ul style="list-style-type: none"> <li>Balloons</li> <li>String</li> <li>Straws</li> <li>Sticky Tape</li> <li><i>LEADERS DEMO</i></li> <li>Sugar Rockets</li> <li>RAMS!</li> </ul> |

# Weekly Programmes Template

|   |   |   |                    |
|---|---|---|--------------------|
| Term Theme: "All Fired Up - AIR"  |   |   |                    |
| Overview : Egg Drop Challenge   |   |   |                    |
| Week:<br>1  | Session theme:<br>Egg Drop Challenge  | Resources   | Timing/<br>Leader: |
| Coming in activity:   | Egg drop challenge prep   |   | 10 mins            |
| <b>Opening</b>  | <ul style="list-style-type: none"> <li>• Opening Ceremony</li> <li>• Opening Prayer/Reflection</li> <li>• Flag Break (Pack Choice)</li> <li>• Grand Howl</li> <li>• Outline of Session/Evening</li> </ul> |   | 5 mins             |
| <b>Game/Physical</b>  | Active Game – Duty Sixers Choice  |   | 10 mins            |
| <b>Key Activity</b><br><br>Cornerstone:<br>Personal<br>Development<br>(Discovery) | Egg Drop Challenge<br><br>Ensure each six has the exact same materials. Allow 30 minutes for the design and build phase, and 15 minutes or so to test the designs.  | Raw eggs, plastic shopping bags, air packing material (foam, bubble wrap etc), tape, string etc | 45 mins            |
| <b>Game</b>   | Leaders Choice  |   | 10min              |
| <b>Closing</b>  | <b>Closing Ceremony</b>   |   | 10 min             |
| Resources   | Raw eggs, plastic shopping bags, air packing material (foam, bubble wrap etc), tape, string etc   |   |                    |
| Notes   |   |   |                    |

# National Programmes Sheet

|   |   |
|---|---|
| Section: Cubs   | Type of Activity: Egg Drop Challenge  |
| Time Allowed:<br>45 min   | Cornerstone:<br><input type="checkbox"/> Outdoors<br><input type="checkbox"/> Community<br><input checked="" type="checkbox"/> Personal Development<br><input type="checkbox"/> New Experiences |
| Link to Award Scheme: Personal Development - Discovery  |   |
| Resources Needed: Raw egg, plastic shopping bags, air packing material (foam, bubble wrap etc), tape, string etc            |   |
| Any Other Comments: Make sure that each Six has the EXACT same materials eg. Same length of string, same amount of bags etc |   |

Cubs will create a package to contain and successfully land a raw egg, unbroken from a fall to the ground.

Each Six will design and build their own landing system from the resources supplied. The idea is for the Cubs to discover different ways we can use air to protect a delicate item.

Set up a landing site approx. 30cm x 30cm. From the top of the ladder over the target, drop the protected egg to the ground. Aim to drop from approximately 2 metres or ceiling height. A balcony is a good place to use if available.

# Weekly Programmes Template

|  |   |   |                    |
|--|---|---|--------------------|
| Term Theme: "All Fired Up - Air"   |   |   |                    |
| Overview : Jamboree on the Trail <i>OR</i> Mothers Day activity          |   |   |                    |
| Week:<br>2   | Session theme:<br>J.O.T.T. Planning <i>OR</i> Mothers Day   | Resources   | Timing/<br>Leader: |
| Coming in activity:  | Free Play   |   | 10 mins            |
| <b>Opening</b>   | <ul style="list-style-type: none"> <li>• Opening Ceremony</li> <li>• Opening Prayer/Reflection</li> <li>• Flag Break (Pack Choice)</li> <li>• Grand Howl</li> <li>• Outline of Session/Evening</li> </ul> |   | 5 mins             |
| <b>Game/Physical</b>   | Active Game – Duty Sixers choice  |   | 10 mins            |
| <b>Key Activity</b><br><br>Cornerstone: New Experiences (National Event) | <p>Prepare and plan for a local hike this weekend for Jamboree on the Trail.</p> <p><i>OR</i></p> <p>Groups own choice Mothers Day activity</p>   | <p>More information and badge orders</p> <p><a href="https://jott.org.nz">https://jott.org.nz</a></p> | 45 mins            |
| <b>Game</b>  | Leaders choice  |   |                    |
| <b>Closing</b>   | <b>Closing Ceremony</b>   |   |                    |
| Resources  | Craft resources or baking equipment etc if doing Mothers Day activities   |   |                    |
| Notes  |   |   |                    |

# Weekly Programmes Template

|   |   |  |                    |
|---|---|--|--------------------|
| Term Theme: "All Fired Up - Air"  |   |  |                    |
| Overview : Air Vortex Cannon  |   |  |                    |
| Week:<br>3  | Session theme:<br>Air Bazooka's   | Resources  | Timing/<br>Leader: |
| Coming in activity:   | Air Bazooka Prep  |  | 10 mins            |
| <b>Opening</b>  | <ul style="list-style-type: none"> <li>• Opening Ceremony</li> <li>• Opening Prayer/Reflection</li> <li>• Flag Break (Pack Choice)</li> <li>• Grand Howl</li> <li>• Outline of Session/Evening</li> </ul>       |  | 5 mins             |
| <b>Game/Physical</b>  | Duty Sixers Choice  |  | 10 mins            |
| <b>Key Activity</b><br><br>Cornerstone:<br>Personal<br>Development<br>(Discovery) | <p>Air Bazooka's</p> <p>These are a lot of fun for the Cubs to build and fire. These are also very safe. There are many websites with different designs for these. They are best made with 20 Litre Buckets</p> | <p>Full resource list and instructions can be found at:</p> <p><a href="http://www.abrowndesign.com/Air%20Vortex%20Cannon.pdf">http://www.abrowndesign.com/Air%20Vortex%20Cannon.pdf</a></p> | 45 mins            |
| <b>Game</b>   | Leaders choice  |  | 10 mins            |
| <b>Closing</b>  | <b>Closing Ceremony</b>   |  | 10 mins            |
| Resources   | Suggest making 1 bazooka per six. Ensure you have enough 20 litre buckets etc.  |  |                    |
| Notes   | Holes in buckets may need to be pre drilled before Cubs to save on time.  |  |                    |

# Weekly Programmes Template

|   |   |   |                    |
|---|---|---|--------------------|
| Term Theme: <b>“All Fired Up - Air”</b>   |   |   |                    |
| Overview : Cubs learn how we use Air every day.                                     |   |   |                    |
| Week:<br>4  | Session theme:<br>Using Air   | Resources   | Timing/<br>Leader: |
| Coming in activity:   | In sixes, brainstorming how many different uses for Air Cubs can name.  |   | 10 mins            |
| <b>Opening</b>  | <ul style="list-style-type: none"> <li>• Opening Ceremony</li> <li>• Opening Prayer/Reflection</li> <li>• Flag Break (Pack Choice)</li> <li>• Grand Howl</li> <li>• Outline of Session/Evening</li> </ul> |   | 5 mins             |
| <b>Game/Physical</b>  | Active Game - Duty Sixer Choice   |   | 10 mins            |
| <b>Key Activity</b><br><br>Cornerstone:<br>Personal Dev (Social<br>and Life Skills) | Pop Corn – Air Popper<br><br>Make a Milk Shake  | <ul style="list-style-type: none"> <li>• Air popper</li> <li>• Popcorn</li> <li>• Milk</li> <li>• Flavouring</li> <li>• Shaker</li> </ul> | 45 mins            |
| <b>Game</b>   | Leaders Choice  |   | 10 mins            |
| <b>Closing</b>  | <b>Closing Ceremony</b>   |   |                    |
| Resources   | Pop Corn, Popcorn makers, Milk, Flavouring, shakers or mixers   |   |                    |
| Notes   | Air based Science Experiments for Cubs next week  |   |                    |

# Weekly Programmes Template

|  |   |                                 |                    |
|--|---|---------------------------------|--------------------|
| Term Theme: "All Fired up - Air"                                       |   |                                 |                    |
| Overview : Air based science fun for Cubs                              |   |                                 |                    |
| Week:<br>5   | Session theme:<br>Science with Air  | Resources                       | Timing/<br>Leader: |
| Coming in activity:  | Free play   |                                 | 10 mins            |
| <b>Opening</b>   | <ul style="list-style-type: none"> <li>• Opening Ceremony</li> <li>• Opening Prayer/Reflection</li> <li>• Flag Break (Pack Choice)</li> <li>• Grand Howl</li> <li>• Outline of Session/Evening</li> </ul>   |                                 | 5 mins             |
| <b>Game/Physical</b>   | Active Game – Duty Sixer Choice   |                                 | 10 mins            |
| <b>Key Activity</b><br><br>Cornerstone:<br>Personal Dev<br>(Discovery) | <p>Prepared "Hands On" Science experiments for Cubs:</p> <p>Levitate Water (using Air Pressure)</p> <p>Does Air have Weight?</p> <p>Inflating balloons with Vinegar and Baking Soda</p> <p>Or You can add your own science experiments to the mix!</p> <p><i>Science activities can be counted toward the Cub Science Badge</i></p> | Depending on chosen experiments | 45 mins            |
| <b>Game</b>  | Leaders Choice  |                                 |                    |
| <b>Closing</b>   | <b>Closing Ceremony</b>   |                                 |                    |
| Resources  | Depending on chosen experiments   |                                 |                    |
| Notes  |   |                                 |                    |



# National Programmes Sheet

|  |   |
|--|---|
| Section: Cubs  | Type of Activity: Levitate Water using Air Pressure   |
| Time Allowed:<br>45 min                                | Cornerstone:<br><input type="checkbox"/> Outdoors<br><input type="checkbox"/> Community<br><input checked="" type="checkbox"/> Personal Development<br><input type="checkbox"/> New Experiences |
| Link to Award Scheme: Personal Development - Discovery |   |
| Resources Needed: A glass, light cardboard, water      |   |
| Any Other Comments:                                    |   |

## Levitate Water.

1. Start by filling a glass of water about 1/3 full, then cover it with a piece of light cardboard.
2. Tip the glass over, keeping the cardboard in place with your hand.
3. Slowly let go of the cardboard.

If all goes well, the pressure of air trapped in the glass should create a small vacuum, holding the card in place and keeping the water in the glass.

# National Programmes Sheet

|  |   |
|--|---|
| Section: Cubs  | Type of Activity: Does air have weight experiment   |
| Time Allowed:<br>45 min  | Cornerstone:<br><input type="checkbox"/> Outdoors <input checked="" type="checkbox"/> Personal Development<br><input type="checkbox"/> Community <input type="checkbox"/> New Experiences |
| Link to Award Scheme: Personal Development - Discovery             |   |
| Resources Needed: A skewer, 3 pieces of string, 2 balloons per six |   |
| Any Other Comments:  |   |

1. Start by attaching one of the pieces of string to the middle of the skewer, so that it balances when suspended.
2. Attach each of the two balloons to the other pieces of string, and then attach them to each end of the skewer. Balance the skewer by moving the string in the middle. Both balloons must be inflated and have more or less the same volume.
3. Once the skewer is balanced, deflate one of the two balloons. What do you notice? The balance is tipped towards the inflated balloon!

# National Programmes Sheet

|   |   |
|---|---|
| Section: Cubs   | Type of Activity: Inflate a balloon with baking soda and vinegar  |
| Time Allowed:<br>45 min   | Cornerstone:<br><input type="checkbox"/> Outdoors<br><input type="checkbox"/> Community<br><input checked="" type="checkbox"/> Personal Development<br><input type="checkbox"/> New Experiences |
| Link to Award Scheme: Personal Development - Discovery  |   |
| Resources Needed: 1 balloon, small soft drink bottle, 1 tablespoon baking soda, 200ml malt vinegar, funnel. |   |
| Any Other Comments:   |   |

1. Using the funnel, add the baking soda to each balloon (two people may be needed for this; one person to hold the balloon open and the other person to put the baking soda inside of the balloon).
2. Pour the vinegar into the bottle.
3. Carefully fit the balloon over the bottle opening (be careful not to drop the baking soda into the vinegar yet).
4. Once the balloon is fitted snugly on the nozzle, hold up the balloon and allow the baking soda to fall into the vinegar.
5. Observe the chemical reaction and effect on the balloon.

# Weekly Programmes Template

|  |   |   |                    |
|--|---|---|--------------------|
| Term Theme: "All Fired Up - Air"           |   |   |                    |
| Overview : Games using Air (In Balloons)   |   |   |                    |
| Week:<br>6                                 | Session theme:<br>Playing with Air  | Resources                                     | Timing/<br>Leader: |
| Coming in activity:                        | Blowing up Balloons   | • Balloons                                    | 10 mins            |
| <b>Opening</b>                             | <ul style="list-style-type: none"> <li>• Opening Ceremony</li> <li>• Opening Prayer/Reflection</li> <li>• Flag Break (Pack Choice)</li> <li>• Grand Howl</li> <li>• Outline of Session/Evening</li> </ul>   |   | 5 mins             |
| <b>Game/Physical</b>                       | Balloon Relay<br><br>Inter six race to move Balloon from point A to point B using different ways of carrying the balloons.  | Balloons                                      | 20 mins            |
| <b>Key Activity</b>                        | Balloon Stomp<br><br>Tie a balloon to each Cubs ankle using wool or yarn. The object of the game is to stomp the other Cubs balloon (causing it to pop), while protecting their own. Last one with their balloon wins!  | Balloons, yarn.                               | 25 mins            |
| Cornerstone:<br>Personal Dev<br>(Physical) |   |   |                    |
| <b>Game</b>                                | Target Practice<br>Place lollies inside balloons and then inflate, ensuring there is enough for at least 1 balloon per Cub.<br>Attach the balloons to a backing board.<br>Have the Cubs stand at a suitable distance from the board and throw a dart until they pop a balloon and win the prize inside. | Balloons<br>Lollies<br>Darts<br>Backing Board | 20 mins            |
| <b>Closing</b>                             | <b>Closing Ceremony</b>   |   |                    |
| Resources                                  | Balloons, yarn/wool, lollies, darts, backing boards for dart game.  |   |                    |
| Notes                                      | Guest speaker for next week (DOC, Fish & Game, Regional Council ETC), or resources on water conservation  |   |                    |

# Weekly Programmes Template

|  |   |   |                    |
|--|---|---|--------------------|
| Term Theme: "All Fired Up - Air"                                     |   |   |                    |
| Overview : Air Conservation week                                     |   |   |                    |
| Week:<br>7   | Session theme:<br>Air Conservation  | Resources                                   | Timing/<br>Leader: |
| Coming in activity:  | Air pollution word find   |   | 10 mins            |
| <b>Opening</b>   | <ul style="list-style-type: none"> <li>• Opening Ceremony</li> <li>• Opening Prayer/Reflection</li> <li>• Flag Break (Pack Choice)</li> <li>• Grand Howl</li> <li>• Outline of Session/Evening</li> </ul> |   | 5 mins             |
| <b>Game/Physical</b>   | Active Game – Duty Sixers Choice  |   | 10 mins            |
| <b>Key Activity</b><br><br>Cornerstone:<br>Outdoors<br>(Environment) | Guest Speaker/s relating to Air conservation.   | Regional Council<br>Dept of<br>Conservation | 45 mins            |
| <b>Game</b>  | Leaders Choice  |   | 10 mins            |
| <b>Closing</b>   | <b>Closing Ceremony</b>   |   |                    |
| Resources  | As per guest speaker.   |   |                    |
| Notes  |   |   |                    |

# Word Search

Find and circle the words. They run right to left, left to right, bottom to top, top to bottom, and diagonally top to bottom or bottom to top.

surface    solar    atmosphere    particles    planet    volcano  
surround    oxygen    pollution    natural    nitrogen    space

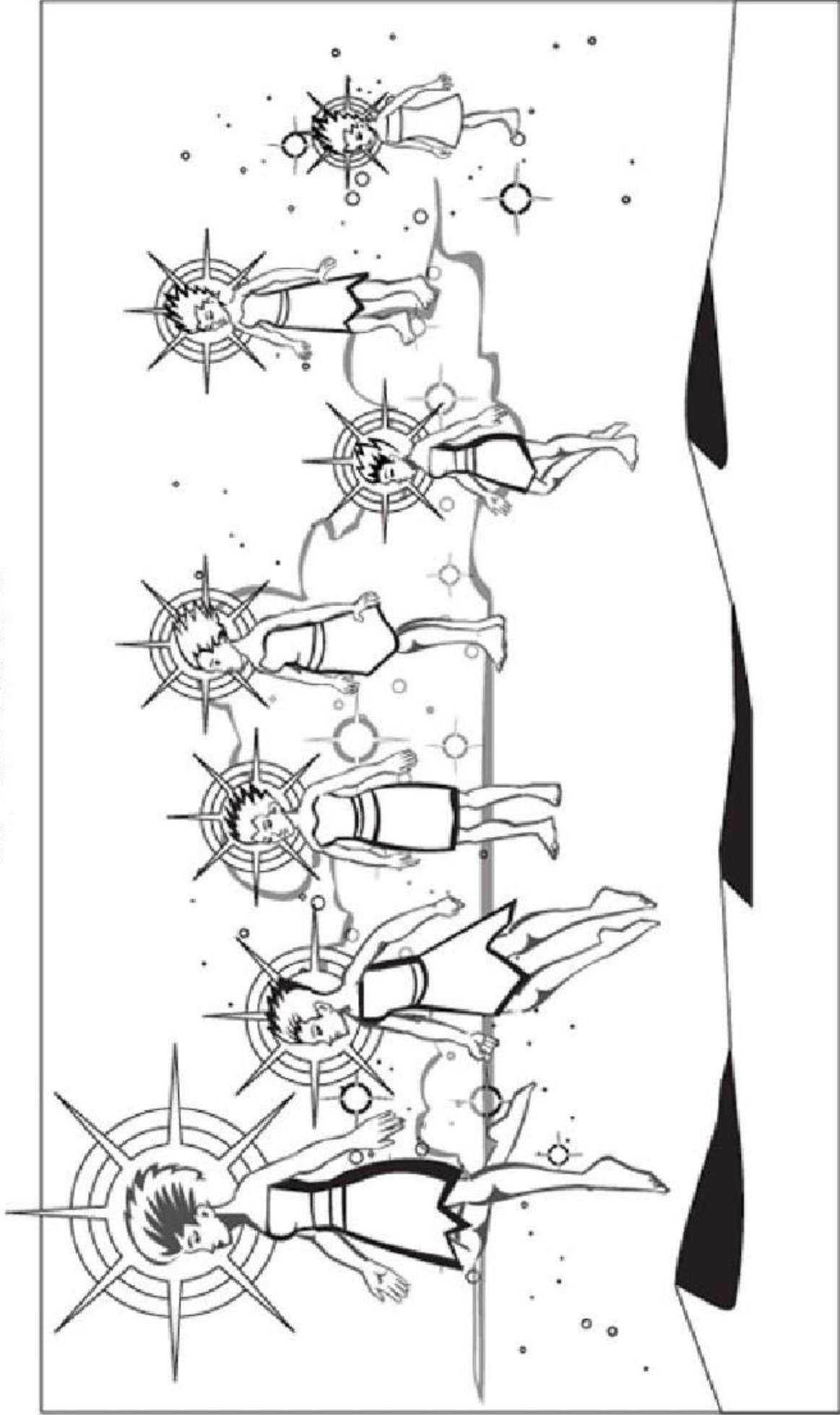


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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| r | p | e | s | o | l | a | r | x | s | n | t | r | h | f |
| z | x | r | r | f | p | p | k | u | e | x | e | h | h | z |
| j | m | e | i | l | m | b | r | g | c | c | n | y | j | p |
| t | g | h | w | u | e | f | y | g | k | e | a | n | a | s |
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| f | l | s | n | c | o | n | v | i | y | l | p | n | q | f |
| p | r | o | e | t | u | k | w | s | j | m | w | i | j | x |
| e | a | m | g | i | a | s | e | j | w | v | n | t | f | p |
| t | s | t | p | o | l | l | u | t | i | o | n | r | c | s |
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| g | o | u | t | k | u | c | b | u | p | o | j | e | s | x |
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| p | s | p | d | o | n | a | c | l | o | v | n | e | d | k |

# Weekly Programmes Template

|  |  |   |                    |
|--|--|---|--------------------|
| Term Theme: "All Fired Up - AIR"                           |  |   |                    |
| Overview : Matariki  |  |   |                    |
| Week:<br>8   | Session theme:<br>Matariki   | Resources   | Timing/<br>Leader: |
| Coming in activity:  | Matariki Colouring Page  | Colouring sheet<br>Pens, Pencils,<br>Crayons  | 10 Mins            |
| <b>Opening</b>   | <ul style="list-style-type: none"> <li>• Opening Ceremony</li> <li>• Opening Prayer/Reflection</li> <li>• Flag Break (Pack Choice)</li> <li>• Grand Howl</li> <li>• Outline of Session/Evening</li> </ul>  |   | 5 Mins             |
| <b>Game/Physical</b>                                       | Active Game – Duty Sixers Choice   |   | 10 Mins            |
| <b>Key Activity</b>  | <p>Suggested Activities:</p> <ul style="list-style-type: none"> <li>• Visit the Observatory</li> <li>• Visit the Star Dome</li> <li>• Take cubs outside to look at the stars</li> <li>• How to make a harakeke whetu (flax star)</li> </ul> <p>(<a href="http://www.nzherald.co.nz/lifestyle/news/article.cfm?c_id=6&amp;objectid=10892075">http://www.nzherald.co.nz/lifestyle/news/article.cfm?c_id=6&amp;objectid=10892075</a>)</p> | <p>Flax or paper strips for flax stars.<br/>If cutting flax, please ensure you follow the correct protocols as described in the link.</p> | 45 Mins            |
| <b>Cornerstone:<br/>Community (Our world, our country)</b> |  |   |                    |
| <b>Game</b>  | Leaders Choice   |   | 10 Mins            |
| <b>Closing</b>   | <b>Closing Ceremony</b>  |   | 10 Mins            |
| Resources  | Flax or paper if making stars. Printed colouring sheets.   |   |                    |
| Notes  |  |   |                    |

# Matariki



Ingoa/Names:

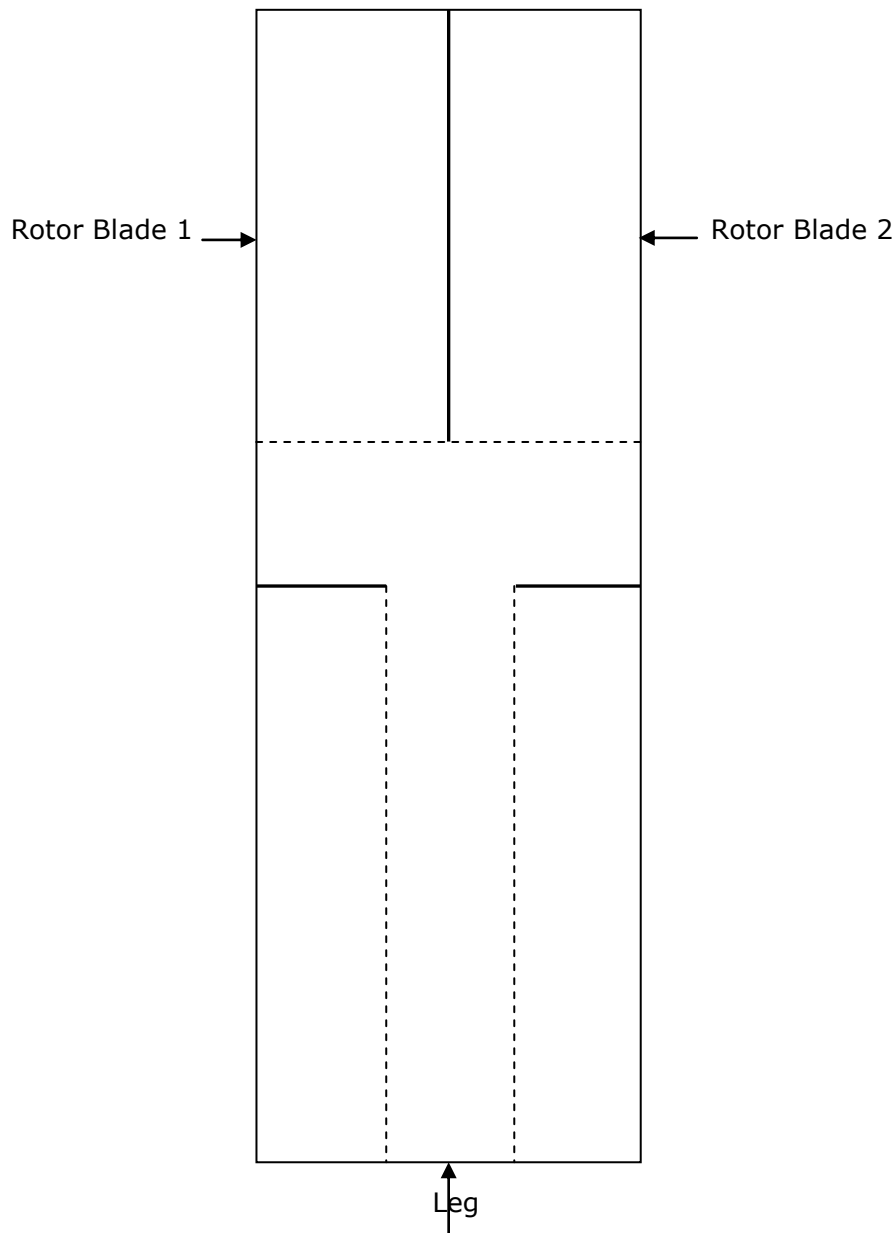




# Weekly Programmes Template

|  |  |   |                    |
|--|--|---|--------------------|
| Term Theme: "All Fired Up - AIR"                                     |  |   |                    |
| Overview : The Challenge of Flight!                                  |  |   |                    |
| Week:<br>9   | Session theme:<br>Air Challenge night - Flight   | Resources                               | Timing/<br>Leader: |
| Coming in activity:  | Paper Helicopters  |   | 10 mins            |
| <b>Opening</b>   | <ul style="list-style-type: none"> <li>Opening Ceremony</li> <li>Opening Prayer/Reflection</li> <li>Flag Break (Pack Choice)</li> <li>Grand Howl</li> <li>Outline of Session/Evening</li> </ul>  |   | 5 mins             |
| <b>Game/Physical</b>   | Active Game – Duty Sixer to choose   |   | 10 mins            |
| <b>Key Activity</b><br><br>Cornerstone: New Experiences (Challenges) | <p>Paper Dart Competition</p> <p>Challenging Cubs to find the secret of flight, and who can make the best paper dart. Judge the competition on 2 categories</p> <ol style="list-style-type: none"> <li>Distance of Flight<br/>For the distance category, each Cub throws their paper airplane while the leader records the distances. All distances must be measured from the starting line to the point where the plane first touches the ground or floor -- not the final resting place if it slides. Each Cub has up to three chances to get their best distance.</li> <li>Time in the Air<br/>For the time in air category, each Cub throws their airplane while the leader times the flights with an accurate stopwatch. Report the times in seconds and hundredths of a second. (Example: 2.45 seconds.) Each Cub has up to three chances to get their longest "time in air."</li> </ol> | A4 Paper<br>Stopwatch<br>Measuring tape | 45 mins            |
| <b>Game</b>  | Leaders Choice   |   | 10 mins            |
| <b>Closing</b>   | <b>Closing Ceremony</b>  |   |                    |
| Resources  | A4 paper, stopwatch, long measuring tape.  |   |                    |
| Notes  | Last night of term next week, bring a plate for supper!  |   |                    |

# Paper Helicopter Template



1. Cut along the bold lines.
2. Fold the pieces next to the leg along the dotted line so that they form one leg. Paperclip the end together so that they stay together.
3. Fold Rotor Blade 1 in one direction and Rotor Blade two in the opposite direction, along the dotted lines.

# Weekly Programmes Template

|  |  |  |                    |
|--|--|--|--------------------|
| Term Theme: "All Fired Up - Air"                                       |  |  |                    |
| Overview : ROCKETS!!   |  |  |                    |
| Week:<br>10  | Session theme:<br>Up into the Air!   | Resources  | Timing/<br>Leader: |
| Coming in activity:  | Balloon on air – Keep a balloon off the ground for as long as possible!  | Balloons   | 10 mins            |
| <b>Opening</b>   | <ul style="list-style-type: none"> <li>• Opening Ceremony</li> <li>• Opening Prayer/Reflection</li> <li>• Flag Break (Pack Choice)</li> <li>• Grand Howl</li> <li>• Outline of Session/Evening</li> </ul>  |  | 5 mins             |
| <b>Game/Physical</b>   | Active Game – Duty Sixer to choose   |  | 10 mins            |
| <b>Key Activity</b><br><br>Cornerstone:<br>Personal Dev<br>(Discovery) | <p>Balloon Rockets</p> <p>If leaders want to add a little extra WOW to the night, then you could give the cubs a demonstration of a "Sugar Rocket".</p> <p>Please note this is NOT suitable for Cubs to do themselves, however if Leaders would like to prepare and demonstrate this to the Cubs they will love it! If you choose to do this, also do not show the Cubs how to make the fuel.</p> <p>Ensure you have a safe launch area, away from houses, buildings and other air traffic.</p> <p>(<a href="http://makezine.com/projects/make-35/homemade-sugar-rocket/">http://makezine.com/projects/make-35/homemade-sugar-rocket/</a>)</p> | <p>Balloons</p> <p>Straws</p> <p>String</p> <p>Sticky Tape</p> | 45 mins            |
| <b>Game</b>  | Leaders Choice   |  | 10 Mins            |
| <b>Closing</b>   | <b>Closing Ceremony</b>  |  | 10 Mins            |
| Resources  | Balloons, Straws, String, Sticky Tape  |  |                    |
| Notes  |  |  |                    |

# National Programmes Sheet

|  |   |
|--|---|
| Section: Cubs  | Type of Activity: Balloon Rockets   |
| Time Allowed:<br>45 min  | Cornerstone:<br><input type="checkbox"/> Outdoors<br><input type="checkbox"/> Community<br><input checked="" type="checkbox"/> Personal Development<br><input type="checkbox"/> New Experiences |
| Link to Award Scheme: Personal Development - Discovery   |   |
| Resources Needed: 1 Balloon, 1 long piece of string (5 – 10 metres), 1 plastic straw, sticky tape. |   |
| Any Other Comments:  |   |

1. Tie one end of the string to a chair, door knob, or other support.
2. Put the other end of the string through the straw.
3. Pull the string tight and tie it to another support in the room.
4. Blow up the balloon (but don't tie it.) Pinch the end of the balloon and tape the balloon to the straw as shown above. You're ready for launch.
5. Let go and watch the rocket fly!