



Australian
Air League

NEW SOUTH WALES BOYS GROUP EDUCATION

N EDUCATION CIRCULAR No: 4
N/EC/4/12

9th July 2012

2012 GROUP REVIEW

GROUP EDUCATION COMPETITION

The purpose of this circular is to confirm the theme and the Basic Conditions of Entry for the Education Display Competition for the 2012 Group Review.

The theme for the Education Display this year is

“The RAAF & RAN in the Korean Conflict (25 June 1950 – 27 July 1953)”

Note: The display must be started from scratch and not include any part of a previous Education Display.

Conditions of Entry

All entries in the Education Display must comply with the following provisions.

1. All displays must be pre entered on the attached Entry Form. (See note on entry form).
2. All display must be registered prior to assembly.
3. Display shall not exceed two square metres in size (this is not 2 metres square) and cannot be longer than 2 metres.
4. All entries are to be planned around a maximum table size of 2 metres long by one metre wide. Tables will not always be provided for displays, so squadrons are asked to plan for this e.g. bring your own legs or trestles etc.
5. Squadrons wishing to display items which may be regarded as unconventional in shape or requiring special items of equipment are to advise the Group Education Commissioner.
6. Electricity is available in the display area but extension cords, power boards etc. shall be provided by the Squadron.
7. Displays shall be erected and dismantled by Squadron personnel.
8. Displays are to be erected between 8:30 am and 10:00 am and are to remain assembled until after the final parade.
9. A list of all participants must be included with the Display; this may be checked against Group records. The work **MUST** be only that of Uniform Members of the Squadron, Cadets must supply 80% of the work, Officers may help in a limited capacity, and Lay Members may act as advisers.
10. The Squadron names must not be anywhere on the display prior to judging but may be placed on the display after judging. **The list of cadets who worked on the display and what their participation was should be handed to the education commissioner at the time of entry.**



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Display Judging

Judging will be by independent judges from Federal or Group Staff and outside of the League. The criteria for judging will be as follows, the Judges will not be judging 'Adherence to Rules and Cadet Participation'. This will be judged by the GEC as the Judge is not in a position to assess the information required.

Squadron education displays will be judged on the following criteria with points allocated as indicated:

Layout (10 points): A well-structured and uncluttered display is expected compared to one that is unstructured and cluttered.

Visual Impact (10 points): Legibility at a viewing distance of 1.5 metres is essential and the initial impact must be pleasing.

Use of Materials (10 points): Creativity in the use of materials is sought. No preference shall be given to hand sketches compared to photos or magazine pictures.

Skill (10 points): More points shall be given to the use of a wider range of skills compared to a narrow set of skills

Cadet Participation (20 points): Names and ages of members must appear on a separate document indicating which member is responsible for which component of the display. This may be at a research, drawing, sheet, operating component or written section level. Where a number of cadets completed one component, their combined names should appear (5 points). The greater the percentage of members of a squadron participating, the higher the mark, based upon the squadron strength at 30 June 2012. This information is to be supplied by each squadron and shall be attached to the entry form.

Content (30 Points): Preference will be given to those displays that more extensively cover the theme compared to those which choose to cover a narrow part of the theme.

Standard of Overall Finish (10 points): The quality of workmanship shall be assessed taking into account the age of the members used in the preparation of the display.

Adherence to Rules (10 points): Points will be deducted for each rule not adhered to e.g. entry form not completed with all relevant information, late entry or cadet participation level not indicated.

As in the previous years, Pre-Registration for both the 'Education Display' and the Modelling Competition entries, on forms sent with this circular. The procedure is along the same lines as that used for the Federal Review Education Display and Modelling Competitions.

These entry forms are to be completed and submitted to the Group Education Commissioner no later than Friday 31st August 2012. No entry forms will be accepted after this date and no Display's or Models that have not been Pre-Registered on their respective forms will be accepted on the day of the competition.



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Aircraft Modelling Competition.

Note: This year, again, ALL models need to be pre-registered on the forms provided, prior to the day as there will be no registration of models on the day of competition.

Pre-registered models only are to be presented for competition between 8:00 – 9:30 am by the member or a representative of the member's squadron who must produce current membership cards or receipt. Only by prior arrangement with the G.E.C. are models to be entered by another person and then, they must be accompanied by the members membership card or receipt. No models will be accepted for competition on the day of the Group Review unless they have been Pre-Registered.

Criteria

There is a limit of TWO (2) entries per member in each competition in which the member participates.

Age Groups (max of 2 entries per Member)	Balsa Chuck Glider	Plastic 1/72 Scale and Smaller	Plastic 1/48 Scale and Larger	Kites	Aircraft Diorama	Non-Aeronautical Model	Space Craft	Rubber Powered Aircraft
8 - 11 Years	√	√	√	√	√	√	√	√
12 - 14 Years	√	√	√	√	√	√	√	√
15 - 17 Years	√	√	√	√	√	√	√	√
18+ Years	√	√	√	√	√	√	√	√

Please take note of the following points

- *The models must be an aircraft model or rocket etc. built entirely by the person entering the models.*
- *The models must be of the Plastic Kit variety. No Metal or Plastic Pre-Built Models, Snap Together Kits or Lego models will be accepted.*
- *If any model has previously won a 1st place in previous Group Review Modelling Competitions, it is not to be entered again.*
- *No ARF (Almost Ready to Fly) models are permitted. The models must be built from parts, either cut or via a kit and are to be assembled and glued together by the member entering the model and all finishing such as covering or painting is also to be done by the person entering the model. No 'Pre Finished' kits are permitted.*
- *The Kites must be built from scratch from the plans and instructions like contained in the current Aircraft Modelling 4 Workbook. No pre assembled, part built kites or kits are permitted. The kites must also be built and decorated solely by the member entering the competition.*



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Judging

Judging will, where possible be by independent outside judges commencing at 9:30am. Only three places will be awarded but in the case of a tie for 2nd or 3rd place, a certificate will be awarded for each. The hall will be closed during judging and will open for viewing at Midday (approximately).

An announcement will be made when the displays are open for viewing usually around 1200 to 1230hrs.

In order to promote increased levels of skill and encourage "Modelling" rather than throwing bits together just to enter a competition, the criteria for judging for will be as follows;

BALSA CHUCK GLIDER

- The Chuck Glider must be of recognised design; points will be deducted for gliders of poor design or just put together from scrap and not capable of flight.
- The wingspan of any model **shall not be less than 30cm**.
- The model shall be capable of stable flight by visual appearance.
- Many good plans can be downloaded at <http://nswbgmodelling.airleague.com.au/>

Outline: The outline shall be sharp and smooth. For example, straight edges to be cut straight. Avoid scallops or missing chunks. Curves to be smooth avoiding chunks cut into the balsa. Both halves of the wing shall be isometric. For example, if the wing was cut through the chord at the centre of the span and folded one side over the other, sides should be the same shape. The outlines of parts are not to be undercut. In order to avoid undercut, the knife of the blade shall be held so that the cut remains vertical to the cutting surface.

Finish: The whole model shall be sanded to a smooth finish using very fine sandpaper. Chuck gliders are not usually decorated. However, it is recommended that the model be given two coats of thin dope, banana oil or light coat of varnish to seal from moisture and this also assists to obtain a smooth finish. No additional points are given for decoration.

Construction: The different parts of the model shall be glued to ensure all joints fit tightly together. Gaps between joints are to be avoided. Similarly, excessive use of glue and smearing of glue is also to be avoided.

Alignment: It is important to ensure the chord of the wing and tailplane are parallel to the centre line of the fuselage. Also, the fin shall be mounted vertical to the fuselage. The wings shall be mounted so that if a line was drawn horizontal to the fuselage under them, the distance measured from this line to the leading edge of the wing at any given point is the same on both sides of the fuselage.

Note: It is recognised that on some models the tailplane may be offset from the horizontal and the control surfaces may also be offset. This is necessary to trim the model for flight. Such a model shall not incur any penalty.



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AIRCRAFT PLASTIC MODELLING

Note: Models in the Plastic Model Competition must be of the Plastic Kit variety. No Metal or Plastic Pre-Built Models, Snap Together Kits or Lego models will be accepted.

Overall Appearance: The overall appearance is judged on the first impression from approximately one arms distance. This takes into account the way the model is presented and the general appearance as would be seen by a casual observer.

Paintwork: The paintwork is judged on how the member has painted the model. It takes into account the use of brush or airbrush. For brush: whether there are brush marks, cleanness of line, thickness of paint and to a limited extent authenticity. For airbrush: whether there is over spray, cleanness of lines, thickness of paint and again to a limited extent authenticity. Overall: whether details have been painted e.g. cockpit, undercarriage, ordinances, engine etc.

Attention to Detail: This judging criterion shall be based on how the member has assembled the model and whether the member has detailed the model beyond just putting the kit together. Attention shall be given as to how the member has assembled all the small parts that are sometimes missed.

Decals: This judging criterion shall be based on how the decals are applied to the model, including correct alignment and an example of this is the direction that the kangaroo faces on Australian military aircraft. A model without decals would be marked down accordingly.

Overall Finish: This judging criterion takes into account the overall finish of the model. This shall include how the joins are finished. It also takes into account how the model looks at closer inspection. This should be achieved without the need to pick up the model in order to inspect it thoroughly.

Glasswork: Glasswork shall take into account the way windows; canopies, lights etc. are attached to the model. It shall also take into account how the glasswork is detailed.

AIRCRAFT DIORAMA

- Each diorama shall contain at least one aircraft model. (If a member enters a model in the Plastic Model Categories, the same model cannot be used for the Diorama).
- The maximum size of the base of the diorama shall not exceed 50cm x 50cm.
- The entrant is responsible for supply of extension leads & power boards if they have a power requirement etc.

Scale: All elements in the diorama should be in the same scale.

Layout: A well-structured and uncluttered diorama is expected compared to one that is unstructured and cluttered.

Use of Materials: Creativity in the use of materials is sought.

Skill: More points shall be given to the use of a wider range of skills compared to a narrow set of skills

Construction: Construction faults will be noted. The different parts of the models used in the diorama shall be glued to ensure all joints fit tightly together. Gaps between joints and tool marks are to be avoided. Similarly, excessive use of glue and smearing of glue is also to be avoided.

Finish: Attention shall be given to how the materials used on the diorama have been applied. The following shall be taken into account; the proper application of decals or decorations, brush marks and paint runs, unrealistic weathering and contamination.

Presentation: The overall presentation is judged on the first impression from approximately arms distance. This takes into account the way the elements in the diorama are positioned, the realism of their presentation and the general appearance as would be seen by a casual observer.



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KITES

- Kite can be of any design but extra points will be awarded to designs based on Lawrence Hargraves kite designs.
- There are some kite plans available at <http://nswbgmodelling.airleague.com.au/>

Use of Materials: Creativity in the use of materials is sought.

Skill: More points shall be given to the use of a wider range of skills compared to a narrow set of skills

Construction: Construction faults will be noted. The different parts of the models used in the diorama shall be glued to ensure all joints fit tightly together. Gaps between joints and tool marks are to be avoided. Similarly, excessive use of glue and smearing of glue is also to be avoided.

Finish: Attention shall be given to how the kite is decorated and whether this suits the design, e.g. a Hargraves box kite is not decorated and will not lose points, but must have been finished correctly with no torn or crinkled fabric/paper etc.

Presentation: The overall presentation is judged on the first impression from approximately arms distance. This takes into account the general appearance as would be seen by a casual observer.

SPACECRAFT

Note: Models in the Spacecraft Competition must be of the Plastic Kit variety. No Metal or Plastic Pre-Built Models, Snap Together Kits or Lego models will be accepted.

Overall Appearance: The overall appearance is judged on the first impression from approximately one arms distance. This takes into account the way the model is presented and the general appearance as would be seen by a casual observer.

Paintwork: The paintwork is judged on how the member has painted the model. It takes into account the use of brush or airbrush. For brush: whether there are brush marks, cleanness of line, thickness of paint and to a limited extent authenticity. For airbrush: whether there is over spray, cleanness of lines, thickness of paint and again to a limited extent authenticity. Overall: whether details have been painted e.g. cockpit, engine etc.

Attention to Detail: This judging criterion shall be based on how the member has assembled the model and whether the member has detailed the model beyond just putting the kit together. Attention shall be given as to how the member has assembled all the small parts that are sometimes missed.

Decals: This judging criterion shall be based on how the decals are applied to the model, including correct alignment. A model without decals would be marked down accordingly.

Overall Finish: This judging criterion takes into account the overall finish of the model. This shall include how the joints are finished. It also takes into account how the model looks at closer inspection. This should be achieved without the need to pick up the model in order to inspect it thoroughly.

Glasswork: Glasswork shall take into account the way windows; canopies, lights etc. are attached to the model. It shall also take into account how the glasswork is detailed.



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RUBBER POWERED MODEL

- The Rubber Powered model must be of recognised design; points will be deducted for gliders of poor design or just put together from scrap and not capable of flight.
- The wingspan of any model shall not be greater than 100cm (1mtr).
- The model shall be capable of stable flight by visual appearance.
- Many good plans can be downloaded at <http://nswbgmodelling.airleague.com.au/>

Outline: The outline shall be sharp and smooth. For example, straight edges to be cut straight. Avoid scallops or missing chunks. Curves to be smooth, avoiding chunks cut into the balsa. Both halves of the wing shall be isometric. For example, if the wing was cut through the chord at the centre of the span and folded one side over the other, sides should be the same shape. The outlines of parts are not to be undercut. In order to avoid undercut, the knife of the blade shall be held so that the cut remains vertical to the cutting surface.

Finish: The whole model shall be sanded to a smooth finish using very fine sandpaper. Has the covering material been applied correctly & sealed, is there any wrinkles etc. Additional points are given for decoration.

Construction: The different parts of the model shall be glued to ensure all joints fit tightly together. Gaps between joints are to be avoided. Similarly, excessive use of glue and smearing of glue is also to be avoided.

Alignment: It is important to ensure the chord of the wing and tailplane are parallel to the centre line of the fuselage. Also, the fin shall be mounted vertical to the fuselage. The wings shall be mounted so that if a line was drawn horizontal to the fuselage under them, the distance measured from this line to the leading edge of the wing at any given point is the same on both sides of the fuselage.

NON AERONAUTICAL MODEL

Note: Models in the Non Aeronautical Competition must be of the Plastic Kit variety. No Metal or Plastic Pre-Built Models, Snap Together Kits or Lego models will be accepted.

Overall Appearance: The overall appearance is judged on the first impression from approximately one arms distance. This takes into account the way the model is presented and the general appearance as would be seen by a casual observer.

Paintwork: The paintwork is judged on how the member has painted the model. It takes into account the use of brush or airbrush. For brush: whether there are brush marks, cleanness of line, thickness of paint and to a limited extent authenticity. For airbrush: whether there is over spray, cleanness of lines, thickness of paint and again to a limited extent authenticity. Overall: whether details have been painted e.g. cockpit, undercarriage, ordinances, engine etc.

Attention to Detail: This judging criterion shall be based on how the member has assembled the model and whether the member has detailed the model beyond just putting the kit together. Attention shall be given as to how the member has assembled all the small parts that are sometimes missed.

Decals: This judging criterion shall be based on how the decals are applied to the model, including correct alignment and an example of this is the direction that the kangaroo faces on Australian military models. A model without decals would be marked down accordingly if it would have markings in its real life.

Overall Finish: This judging criterion takes into account the overall finish of the model. This shall include how the joins are finished. It also takes into account how the model looks at closer inspection. This should be achieved without the need to pick up the model in order to inspect it thoroughly.

Glasswork: Glasswork shall take into account the way windows; canopies, lights etc. are attached to the model. It shall also take into account how the glasswork is detailed.



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Squadron with the highest number of models

There will be an award for the Squadron that has the highest number of models in the competitions per roll strength as taken from the Group Membership List in the month prior to the Group Review.

COMPETITIONS

As per chart below

Age Groups (max of 2 entries per Member)	Balsa Chuck Glider	Plastic 1/72 Scale and Smaller	Plastic 1/48 Scale and Larger	Kites	Aircraft Diorama	Non-Aeronautical Model	Space Craft	Rubber Powered Aircraft
8 - 11 Years	√	√	√	√	√	√	√	√
12 - 14 Years	√	√	√	√	√	√	√	√
15 - 17 Years	√	√	√	√	√	√	√	√
18+ Years	√	√	√	√	√	√	√	√



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2012 EDUCATION DISPLAY ENTRY FORM

This entry form is to be completed and submitted to the Group Education Commissioner no later than Friday 31st August 2012. No entry forms will be accepted after this date.

SQUADRON _____

We wish to enter the Education Display at the 2012 Group Review. We understand that the Display size is to be no larger than 2 metres wide x 1 metre depth. We will also be responsible for trestles or legs as well as power extension cords and power boards as well as any other equipment required for our display.

Squadron O.C. _____

NAME (PLEASE PRINT)

SIGNATURE

Date _____

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