

Activity documents

This activity contributes to the following badges:



Now this is the story all about how. My life got flipped, turned upside down. And I'd like to take a minute just sit and wait, While I tell you how to use this \LaTeX template.



I expect using this template is in the right ball park for the Media Relations badge. Unfortunately I've yet to add Explorers and Squirrels badges (except these two).



There is no badge for Adults.

/ Cubs / Scouts / Explorers /

Introduction

Some instructions on how to use this template to create a Scout branded Activity document. This is a \LaTeX template based on the Scout Brand Centre's Activity Word Document template `ms-word-document-template-activity.docx`.

Time 30 minutes

Equipment

Badge info	<input type="checkbox"/>
Timings	<input type="checkbox"/>
Section suitability	<input type="checkbox"/>
Activity title	<input type="checkbox"/>
Procedure	<input type="checkbox"/>
This template!	<input type="checkbox"/>

Optional

Image	<input type="checkbox"/>
Risk assessment	<input type="checkbox"/>
Discussion ideas	<input type="checkbox"/>

Electroetching

This activity contributes to the following badges:



Cubs Activity Scientist:
Reactions: "Find out what happens when you add salt to water".
"Another activity agreed with your leader"



Scouts Activity Scientist:
May form part of Option 2: "Plan and complete three science experiments or activities".

Introduction

The aim of this activity is to create a key ring using household materials and a metal disk.



paint a mask; if you do this, front.

6

Warn the young members about short circuits. That they should not touch the metal attached to the red clip to the metal of the black clip to the metal of the red clip. That it will cause the wires to get hot enough to burn them.

7

Hand out and help young members to attach battery packs. Completely submerge the disk (mask up) in the solution.

Time 60–90 minutes

Preparation

Best done stood at tables, about 1m^2 per person, 1 adult to 4 young members, in a suitably ventilated hall.

Equipment

Per participant:	
Safety Equipment ¹	<input type="checkbox"/>
Disk to etch ^{2,3,4}	<input type="checkbox"/>
Mask (Vinyl Sticker) ⁵	<input type="checkbox"/>
1 small cup	<input type="checkbox"/>
1 teaspoon	<input type="checkbox"/>
1 paperclip	<input type="checkbox"/>
4 x AA batteries	<input type="checkbox"/>
4 x AA battery housing	<input type="checkbox"/>
1 crocodile clip set ⁶	<input type="checkbox"/>
1 Petri dish ⁷	<input type="checkbox"/>
(Sandpaper – P400) ⁸	<input type="checkbox"/>
Key chain or string	<input type="checkbox"/>

1 Dissolve 1 tsp of salt in luke-warm water. There's a chance here to discuss what salt is and where it goes when dissolving.

Pour the solution into the Petri dish until about $\frac{1}{4}$ full.

2

Prepare the surface of the disk. My steel disks needed to be sanded; my aluminium disks came with a polythene sheet protecting one side's surface.

3

Stick the stickers to the clean/shiny side. You could use nail polish or shellac to

¹Aprons, Small X-Small gloves, safety glasses.

²For a mild steel disk I found the disk shown in the image above on ebay. (I had to drill the hole myself.)

³For a mild steel disk I found the disk shown in the image above on ebay. (I had to drill the hole myself.)

⁴No Do not use Stainless Steel; there is a small but non zero chance of producing toxic chemicals.

⁵Vinyl stickers e.g. letters, bespoke cut, or cut your own with e.g. a Cricut.

⁶I used Battery housing and clips with 9V connector.

⁷These from Amazon for example.

⁸Only required for iron/steel disk.

#SkillsForLife

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1

1

First you need [this template!](#) Have a look at the compiled PDF and the source `main.tex`. In the preamble set your `\author{}` variable.

3

To start each Activity part, use the command `\activitypart{Title}`

2

The rest of your contents will be placed between the `\begin{document}` and the `\end{document}`.

4

To list badges on the left-hand-side, you need to add an option to that command: `\activitypart [name=text,...]{...}`. Where name is the name of a

badge as listed in section 1 below, and text is the text you wish to appear beneath it.

5

Now use the `\Sections[]` command to specify which **Scout** sections this activity is suitable for, e.g. `\Sections[scouts,cubs]`

6

If you wish you can add an introduction. Add the line \section*{Introduction} followed by text. You can use this method to add any section you like in the main body of the document. see e.g. the Risk Assessment section 1 below.

Use the asterisked versions if you wish to avoid section numbering.

7

Add a 2-column summary.

7.1

To add a summary and graphic use the environment: SummaryImageBox and specify a graphic you wish to use. e.g.

```
\begin{SummaryImageBox}
    {ImageLocation}
    %Insert left content here.
\end{SummaryImageBox}
```

7.2

Alternatively, to add a summary-left and other-content-right use the environment: SummaryBox e.g.

```
\begin{SummaryBox}
    {ImageLocation}
    %Insert left content here
\SummaryBoxSep
    %Insert right content here.
\end{SummaryBox}
```

8

Suggestions for filling the summary left-content:

8.1

Specify Duration of session using this command: e.g.

```
\sessiontime[30 minutes]
```

8.2

Add an equipment section:

```
\section*{Equipment}
\equip{Badge info}
\equip{Timings}
\equip{Section suitability}
\equip{Activity title}
\equip{Procedure}
```

```
\equip{This template!}
\subsection*{Optional}
\equip{Image}
\equip{Risk assessment}
\equip{Discussion ideas}
```

8.3

End the Summary... Box:
`\end{SummaryImageBox}`
 or
`\end{SummaryBox}`

9

To fill the step-by-step activity instructions now create an ActivityProcedure environment. This will split up the flow of text into three columns and change the space and size of the heading.

9.1

Use blank \section{} and \subsection{} commands to create numbered paragraphs.

Discussion

Use most any L^AT_EX commands to fill remaining sections. You could add:

- a Discussion section;
- a Risk Assessment section;
- an Acknowledgement section.

Risk Assessment

Have you done a DSE assessment? <https://www.hse.gov.uk/msd/dse/>

Licence

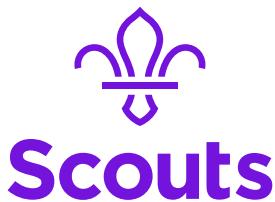
This Latex class, template and it's accompanying files collectively form the software known as Grey Wolf's Scouts Activity Template. Files from Grey Wolf's Scouts Beamer Theme have been used here too.

Scout Branding

The design follows the Scout Association's Branding template: [ms-word-document-template-activity](#) and [guidelines](#) to best efforts.

Fonts

The fonts chosen and supplied for use in this project are those specified by The Scout Association's branding guidelines: the Nunito Sans family has been chosen because it can be used at no cost and suits the chosen style.



Nunito Sans is distributed by Google as a TrueType Font and is freely available under the terms of the SIL Open Font License licence See:

<https://fonts.google.com/specimen/Nunito+Sans#license>

and

https://scripts.sil.org/cms/scripts/page.php?site_id=nrsi&id=OFL

It was necessary to create a modified version of the Nunito Sans TTF to enable them to work with this software.

- Downgrade the OS/2 table
- Convert to Adobe Type 1 postscript in order to create the TFM files

The Derived TTF files are used in the output PDF.

Images

Included in Grey Wolf's Scouts Activity Template's distribution are images of badges derived from those available on the www.scouts.org.uk and the various badge sponsors at the time of writing.

Also included are the Scout Logos. The permitted use of the various Scout Logos is defined in the [Scout POR: Rule 147](#).

This PDF Document

This compiled PDF document is licensed for distribution under the creative commons [Attribution-ShareAlike 4.0 International \(CC BY-SA 4.0\)](#) licence.

Grey Wolf's Scouts Activity Template.

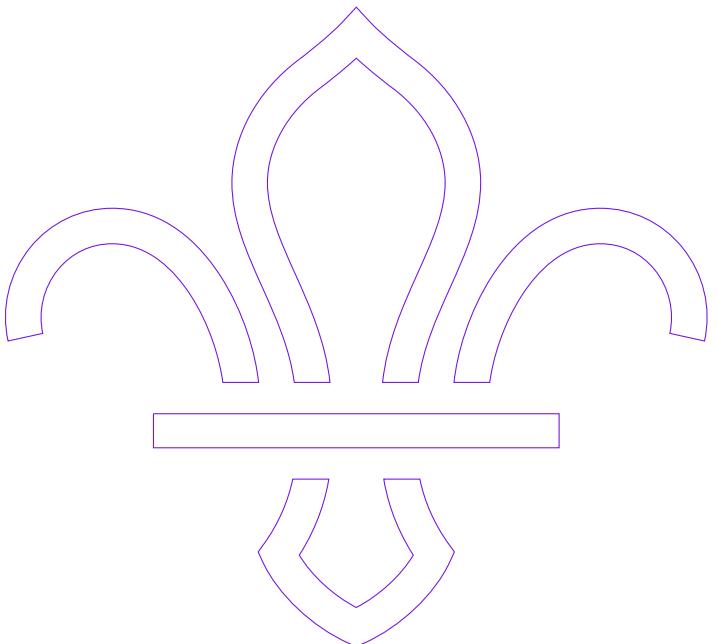
Grey Wolf's Scouts Activity Template software is licensed under the terms of the GNU General Public License. I include a copy of the LICENCE/LICENSE verbatim below.

```
%% Copyright 2022 Mike Jones, <dr.mike.jones@gmail.com>
%% AKA Grey Wolf <mike.jones@mansouthscouts.org>
%% AKA Akela <mike.jones@mansouthscouts.org>
%% [23rd Manchester (Birch with Fallowfield)]
%% Scout Membership number: 12114313
%
% This file is part of Grey Wolf's Scouts Activity Template.
%
% Grey Wolf's Scouts Activity Template is free software: you can redistribute
% it and/or modify it under the terms of the GNU General Public License
% as published by the Free Software Foundation, either version 3 of the
% License, or (at your option) any later version.
%
% Grey Wolf's Scouts Activity Template is distributed in the hope that it will
% be useful, but WITHOUT ANY WARRANTY; without even the implied warranty
% of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
% General Public License for more details.
%
% You should have received a copy of the GNU General Public License
% along with Grey Wolf's Scouts Activity Template. If not, see
% <https://www.gnu.org/licenses/>.
```

Here's a SummaryBox example

This is an example of the alternative to the \SummaryImageBox environment used on the first page.

 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placemat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.



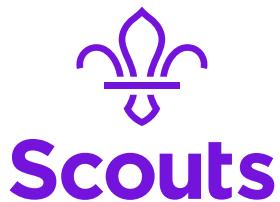
Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.



1 Badge Names

List of keys accepted by \activitypart[key=text,...]{}

SquirrelsActivityBadgeStoryTime
BeaversActivityBadgeActivityPlus
BeaversActivityBadgeAnimalFriend
BeaversActivityBadgeBookReader
BeaversActivityBadgeBuilder
BeaversActivityBadgeCampCraft
BeaversActivityBadgeCollector
BeaversActivityBadgeCommunicator
BeaversActivityBadgeCook
BeaversActivityBadgeCreative
BeaversActivityBadgeCyclist
BeaversActivityBadgeDisabilityAwareness
BeaversActivityBadgeExperiment
BeaversActivityBadgeExplore
BeaversActivityBadgeFaith
BeaversActivityBadgeGardener
BeaversActivityBadgeGlobalIssues
BeaversActivityBadgeHealthandFitness
BeaversActivityBadgeHobbies
BeaversActivityBadgeInternational
BeaversActivityBadgeMoneySkills
BeaversActivityBadgePhotographer
BeaversActivityBadgeSafety
BeaversActivityBadgeSpace
BeaversActivityBadgeSports
BeaversChallengeAwardMyAdventure
BeaversChallengeAwardMyOutdoors
BeaversChallengeAwardMySkills
BeaversChallengeAwardMyWorld
BeaversChallengeAwardPersonal
BeaversChallengeAwardTeamwork
BeaversChiefScoutsBronzeAward
BeaversYouShapeAwardCentral
BeaversYouShapeAwardLead
BeaversYouShapeAwardPlan
BeaversYouShapeAwardRepresent
CubssActivityBadgeActivityPlus
CubsActivityBadgeAnimalCarer
CubsActivityBadgeArtist
CubsActivityBadgeAstronomer
CubsActivityBadgeAthleticsPlus
CubsActivityBadgeAthletics
CubsActivityBadgeBackwoodsCooking
CubsActivityBadgeBookReader
CubsActivityBadgeChef
CubsActivityBadgeCollector
CubsActivityBadgeCommunicator
CubsActivityBadgeCyclist
CubsActivityBadgeDisabilityAwareness
CubsActivityBadgeDIY
CubsActivityBadgeEntertainer
CubsActivityBadgeEnvironmentalConservation
CubsActivityBadgeEquestrian
CubsActivityBadgeFireSafety
CubsActivityBadgeGardener
CubsActivityBadgeGlobalIssues
CubsActivityBadgeHobbies
CubsActivityBadgeHomeHelp
CubsActivityBadgeHomeSafety
CubsActivityBadgeInternational
CubsActivityBadgeLocalKnowledge
CubsActivityBadgeMartialArts
CubsActivityBadgeMoneySkills
CubsActivityBadgeMyFaith
CubsActivityBadgeNaturalist
CubsActivityBadgePersonalSafety
CubsActivityBadgePhotographer
CubsActivityBadgePhysicalRecreation
CubsActivityBadgePioneer
CubsActivityBadgeRoadSafety
CubsActivityBadgeScientist
CubsActivityBadgeSkater
CubsActivityBadgeSportsEnthusiast
CubsActivityBadgeWaterActivities
CubsActivityBadgeWorldFaiths
CubsChallengeAwardOurAdventure
CubsChallengeAwardOurOutdoors
CubsChallengeAwardOurSkills
CubsChallengeAwardOurWorld
CubsChallengeAwardPersonal
CubsChallengeAwardTeamLeader
CubsChallengeAwardTeamwork
CubsChiefScoutsSilverAward
CubsYouShapeAwardCentral
CubsYouShapeAwardLead
CubsYouShapeAwardPlan
CubsYouShapeAwardRepresent
BeaversActivityBadgeActivityPlus
ScoutsActivityBadgeActivityCentreService
ScoutsActivityBadgeAirorSeaNavigation
ScoutsActivityBadgeAirResearch
ScoutsActivityBadgeAirSpotter
ScoutsActivityBadgeAngler
ScoutsActivityBadgeArtist
ScoutsActivityBadgeAstronautics
ScoutsActivityBadgeAstronomer
ScoutsActivityBadgeAthleticsPlus
ScoutsActivityBadgeAthletics
ScoutsActivityBadgeCamper
ScoutsActivityBadgeCaver
ScoutsActivityBadgeChef
ScoutsActivityBadgeCircusSkills
ScoutsActivityBadgeClimber
ScoutsActivityBadgeCommunicator
ScoutsActivityBadgeCraft
ScoutsActivityBadgeCyclist
ScoutsActivityBadgeDIY
ScoutsActivityBadgeDragonBoating
ScoutsActivityBadgeElectronics
ScoutsActivityBadgeEntertainer
ScoutsActivityBadgeEnvironmentalConservation
ScoutsActivityBadgeEquestrian
ScoutsActivityBadgeFarming
ScoutsActivityBadgeFireSafety
ScoutsActivityBadgeForester
ScoutsActivityBadgeFundraising
ScoutsActivityBadgeGeocaching
ScoutsActivityBadgeGlobalIssues
ScoutsActivityBadgeHillWalker
ScoutsActivityBadgeHobbies
ScoutsActivityBadgeInstructor
ScoutsActivityBadgeInternational
ScoutsActivityBadgeLibrarian
ScoutsActivityBadgeLifesaver
ScoutsActivityBadgeLocalKnowledge
ScoutsActivityBadgeMartialArts
ScoutsActivityBadgeMasteratArms
ScoutsActivityBadgeMechanic
ScoutsActivityBadgeMediaRelationsandMarketing
ScoutsActivityBadgeMeteorologist
ScoutsActivityBadgeModelMaker
ScoutsActivityBadgeMyFaith
ScoutsActivityBadgeNaturalist
ScoutsActivityBadgeOrienteer
ScoutsActivityBadgeParascending
ScoutsActivityBadgePhotographer
ScoutsActivityBadgePhysicalRecreation
ScoutsActivityBadgePioneer
ScoutsActivityBadgePowerCoxswain
ScoutsActivityBadgePullingFixedSeatRowing
ScoutsActivityBadgeQuartermaster
ScoutsActivityBadgeScientist



ScoutsActivityBadgeSportsEnthusiast
ScoutsActivityBadgeStreetSports
ScoutsActivityBadgeSurvivalSkills
ScoutsActivityBadgeWaterActivities
ScoutsActivityBadgeWorldFaiths
ScoutsActivityBadgeWriter
ScoutsChallengeAwardAdventure
ScoutsChallengeAwardCreative
ScoutsChallengeAwardExpedition
ScoutsChallengeAwardOutdoors
ScoutsChallengeAwardPersonal
ScoutsChallengeAwardSkills
ScoutsChallengeAwardTeamLeader
ScoutsChallengeAwardTeamwork
ScoutsChallengeAwardWorld
ScoutsChiefScoutsGoldAward
ScoutsYouShapeAwardCentral
ScoutsYouShapeAwardLead
ScoutsYouShapeAwardPlan

ScoutsYouShapeAwardRepresent
ExplorersActivityBadgeMediaRelations
AllSectionsStagedActivityBadgeAirActivities
AllSectionsStagedActivityBadgeCommunityImpact
AllSectionsStagedActivityBadgeDigitalCitizen
AllSectionsStagedActivityBadgeDigitalMaker
AllSectionsStagedActivityBadgeEmergencyAid
AllSectionsStagedActivityBadgeHikesAway
AllSectionsStagedActivityBadgeMusician
AllSectionsStagedActivityBadgeNauticalSkills
AllSectionsStagedActivityBadgeNavigator
AllSectionsStagedActivityBadgeNightsAway
AllSectionsStagedActivityBadgePaddleSports
AllSectionsStagedActivityBadgeSailing
AllSectionsStagedActivityBadgeSnowsports
AllSectionsStagedActivityBadgeSwimming
AllSectionsStagedActivityBadgeTheGreatIndoors
AllSectionsStagedActivityBadgeTimeontheWater