

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 L^AT_EX 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 L^AT_EX template based on the Scout Brand Centre's Activity Word Document template `ms-word-document-template-activity.docx`.

Time 30 minutes

Equipment

- Badge info
- Timings
- Section suitability
- Activity title
- Procedure
- This template!

Optional

- Image
- Risk assessment
- Discussion ideas

Advice and Activities

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.

Time 60-90 minutes

Preparation

Best done stood at tables, about 1 m² per person, 1 adult to 4 young members, in a suitably ventilated hall.

Equipment

Per participant:

- Safety Equipment¹
- Disk to etch^{2,3,4}
- Mask (Vinyl Sticker)⁵
- 1 small cup
- 1 teaspoon
- 1 paperclip
- 4 x AA batteries
- 4 x AA battery housing
- 1 crocodile clip set⁶
- 1 Petri dish⁷
- (Sandpaper -P400)⁸
- Key chain or string

- 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 ¾ 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 an aluminium disk: [Harrison & Harrison](#) or these smaller stamping blanks via [Amazon](#)
⁴NB 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.

- 4** Bend the paperclip so that it makes an 'L' shape. Attach the curved top to the black crocodile clip (the cathode; the -ve terminal of the battery).
- 5** Attach the red crocodile clip to the disk so that it makes a connection with reverse of the disk and only touches the insulated mask on the

paint a mask; if you do this, you'll need solvents to clean afterwards.

- 6** Warn the young members about short circuits. That they should not touch the metal attached to 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.

#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.

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

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

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 | 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 \LaTeX 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

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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.
%
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% it and/or modify it under the terms of the GNU General Public License
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%
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%
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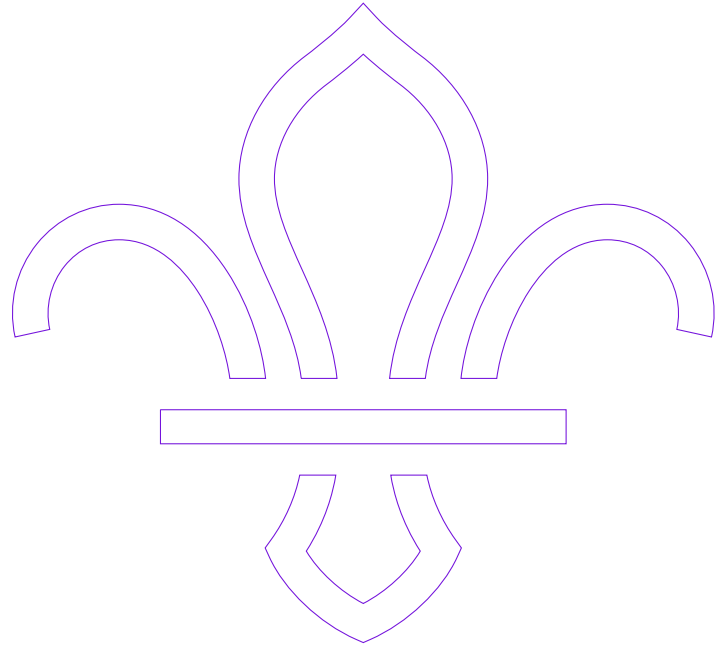
```



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 placerat. 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