WHAT IS POSTER PRESENTATION?

- Poster presentation is a method of visually presenting research findings, ideas, or projects, commonly used at academic conferences, symposia, and meetings.
- Objectives:
- **Presenting the research**: To explain the topic you're working on quickly and effectively to others.
- Receiving feedback: During a poster presentation, you can receive constructive criticism
 from academics or other interested individuals, giving you the opportunity to improve your
 research.
- Networking: It provides a platform to meet other researchers in the field, exchange ideas, and create opportunities for collaboration.
- **Attracting interest**: A well-prepared poster can capture attention in a crowded conference and lead to more interactions.

POSTER CONTENT

- consider your poster as a visual tool
- leave out some of the details
- your poster should be visually appealing
- > someone should be able to read your paper on its own
- someone should be able to understand your rationale, your research question, your procedure, results, and conclusion when reading the poster

Content Elements

- The introduction makes a simple, yet logical rationale for the research question.
- The method gives the necessary information about the procedure without getting bogged down into details
- The results describe the type of analyses, the pattern of the data, and the inferential statistics in two clear sentences.
- The conclusion answers the research question and briefly addresses the implications (or big picture) conclusions that could be drawn from the findings.

Title

- can be less formal
- should describe the content of your work
- should indicate what your research area is
- you should list the authors
- you may list authors by alphabetical order, a flip of the coin, or whatever
- but you must list the full names (first and last) of the contributors/presenters.

Introduction

- should lead the reader to the "hole" in the research and end with the research question or purpose of the paper
- provide a general explanation without references about how this problem has been addressed

Method

- should be complete, but will certainly not contain all the details
- your participant information will be much shorter, unless it is necessary that you report this
- the materials need only be described if they are particularly complex or novel to your study
- the procedure will be the primary text in the method section

Results/Conclusions

- should only report the main findings as succinctly as possible
- the primary objective of the results section of the poster is to point to the most important findings and the inferential statistics
- should include any relevant "data crunching" procedures, manipulation check information, and the primary analyses

Poster presentations

- a fun way to discuss research with interested parties
- audience at a conference moves through the poster displays to
 - inquire
 - learn
 about the information presented on the
 poster

- include the most important information from your research
- choose a title that captures the interest of an audience and orients the audience to the poster's content
 - use large text for the title
 - do not use all capital letters in the title

- use pictures, tables, and figures to illustrate concepts and add interest to the poster
- use colors on the poster with care
- avoid excessive amounts of information and seek to enhance conversation by giving just enough information and visuals to interest the audience

- design a poster that clearly portrays the subject, purpose, and results
 - use the most important textual descriptions and supporting images
 - use appropriate size font that is large enough and contrasts easily with the poster's background
 - non-serif fonts such as Helvetica for title and headings and a serif font like Palatino for the body text are easier to read
 - never use dark backgrounds

EMOTIONAL COLOR WHEEL

EMOTIONAL VALUES OF SHAPES AND COLORS

There are some symbols in cultures that are the same everywhere. For instance. a puddle of red will be assumed to be blood: this would be the same in New York. China, or the jungles of some for off land. Artists have been using these cultural symbols in their art to hide the meanings of their work or to code them.

COLOR COLOR COLOR

RED: Associated with blood to It is the most empty delot Rege. hote, donger,

OTANGE A NO

stove, hattle cone, or Borner Hary deer had your need to remain cautious. Aggressive, hot helostoled. Impublies, sough,

YILLOW: the Re san Plocks worm, enflusionists, globbs fun. funny, and child-like.

GREEN: A color of growth. The type of green can indicate furthers: Now, youth, students. book, heighty.

\$5.00 Associated with the sky or water, it is vest upon. granching. He giving calm deep, & penerally positive.

FURFLE: A deep dark day royally periodic, calm, & quiet.

GDLD: A color of richeess and wealth. Also a color of occumplishment, (sike a Gold Xward)

BLACK: A color of mustons on the unknown, place a color of Neoviness and depth.

BROWN: both, vol. dvt. A color of potential growth. possibilities, a new beginning, or "the end."

A color of light, queltoothy cold, and purity.

MUTING: colon will give new meanings and essociations, so will using column potterns, they would you calle it your shape to represent your personally?



IS one powerfulnit with SOFT objects like a bolison, bubble. or bot. They are considered ployful, soft, energetic positive, and hopey.

A THANGLEY

are associated with

DAA'SF abjects like

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specie. They are

500ATES are associated with constructive ideas like building. They are regular, slubre, strong. dependable, one of fines, manufacture, Statistics the square into a rectangle can break up the menotony

Shopes can be combined to make hew emistorial upluss. It house shape is this a triungle-and a square, so it will be shong and violate, but have is 10th chargeness to II. What shapes would you Turos transarges of whichmap

REPRESENTATION AND COURTS CAN BE CONSIDER. FOR HOME CHOCKNESS SELECT A SPEAKE SHAPE IS A COMMISSION OF CIRCLES AND A TELESCOP

RESEARCH METHODS: NON-EXPERIMENTAL METHODS

Psychologica: use a range of different methods for conducting respect. Non-experienceal methods are used to describe different expects, experience at a behaviour and find links between them. Each method has strengths and mentionesses which wake it unitable for cortain types of research and evolutional for others.

SURVEYS

Surveys are used to collect standardised internation from participants. They involve administering questions to individuals through questionnaires or interviews. The information should be sufferted from a sample of sancte who are representative of the larger pepulation.

Strongthe Surveys are an efficient, inexpensive and easy ever revoluce Wormenian from large calviples of people

Besults can be generalised to the larger population.

Weaknesses: Athough tandom Canading is used response takes can bias lessific. People who respond to the curvey may be different from those who do not respond.

Performance may not be that that or accurate in their answers because they want to

OUESTIONNAIRES

A questionnaire is made up of a list of questions which are used to coffect and record information on a particular topic of interest.

Orales and passes (metals closed and/or pass markfold)

1. Gosed questions: These offer a choice of responses from a limited set of proven such as strongly disagree, disagree, uncertain, agree or Historial agrees

Advantages: Closed questions are simply and quick for respondents to answer and straightforward for researchers to analyse and compare. Chadrantages. They provide a very broked amount of information and do not allow for more detailed responses. Therefore, they tack validity.

2. Open questions: These give respondents the apportunity to provide detailed property that reflect them as individuals.

Advantages. Open questions allow respondents to explain their answers. and provide rich, distalled information

Ocedvantages. They are time-concurring to complete and analyse, All. responses can be different which makes comparisons and statistical analysis difficult.

🚨 INTERVIEWS

Structured interviewe These imposes a fixed set of questions with a satisfien of pictotic enteres. All participants should be advertigated for the same questions in

Advantages: Comparisons can be made easily because all respondents answer

Disadvertages You can only gath a limited amount of information because there is no apportunity to explain the expandents' assume further.

structured interviews: These are longer immuleus with no set questions.

Advantages: Underschared interviews provide detailed information and avoid

Disadvantages: It is difficult to analyse and compare responses because answers

Uncharational interviews are time concurring and expensive as statled been separate are related.

OBSERVATION

An elisarvation is an investigation in which a researcher observes subjects and records and analyses their behaviour. There are different types of observations

Coletrolled observation: Observations are carried out in a cormulad

Advantages: Each participant is exposed to the same situation so promisionisms can be made with confidence. This couldes specialist equipment to be used to measure and record behaviou Disadvantages A lack of coolege of salding occurs of an people are not in their natural environment, their behaviour may not reflect real life.

Participant observation: Observers have direct contact with the people they are observing by becoming members of the group. entages: Chiservers can gain a more in digith knowledge

CASE STUDIES

A case study is an in-depth investigation of an individual. group, event or community. The researcher collects data through interviews, observation, psychological tests or examination of documents and records.

Strengthe: Case studies provide rich otherweists and have high levels

has allow resilies been to investigate cases that could not be researched

Weaknesses: The results cannot be generalized to the wider physistion to they study to late to use individual

The researchers own subsective cologo may influence the case buly, making it not entirely

CORRELATIONS

A correlational study involves measuring two variables and trying to determine if there is a positive or negative relationship between them,

Pesitive correlation: An increase in one variable is associated with an increase.

Megative correlation; An increase in pre-variable is associated with a decrease

If there is no correlation, then no relationship exists between the two variables.

Show and by Constitution on could be readed. predictions about the effect of one variable on another Constitute can struction the strength of a relationship between two variables.

Wesknesses. They only show that a relationship exists. between two variables. They care of help determine a own and effor nimontry.

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Guess What?

Motivation Boosts the Influence of Subliminal Information on Choice



Exp. 2 % of Correct Choices

■ Control ■ Achievement

Maxim Milyavsky, Ran R. Hassin & Yaacov Schul

The Hebrew University of Jerusalem

Background

Much research has been devoted to the depth of processing of subliminal stimuli (Van den Bussche et al., 2009). However, little is known about their influence on behavior.

Recently, it has been shown that subliminal semantic primes can affect consumption choice if they are related to currently active needs. For example, Strahan et al. (2002) showed that thirsty participants, when exposed to thirst-related subliminal primes, were more likely to choose a thirst-quenching beverage compared to a control beverage (see also Karremans et al., 2006).

Our Research

Hypothesis: Increased motivation to succeed boosts the effect of subliminal cues indicating the correct choice in a task, even if the cues are not semantically related to the motivation.

Task: In each trial of the Category-Based Choice task (CBC) participants had to choose the winning card (randomly predetermined by the computer). An exemplar from the category of the winning card was presented subliminally just before the choice. Use of the subliminal cues is indicated by above-chance performance in the choice task. Subliminality was assessed via both objective and subjective tests. All of the reported results came from unseen cues.

Manipulation: Motivation was increased either by priming achievement or via presenting more rewarding feedback for correct choices.

Cue five (300 ms) apple (30 ms) four apple one Guess Feedback Awareness probes Was the cue a word or a nonword? Word Nonword Type the cue or "nor" (not recognized):

Exp. 1 % Correct Choices

Achievement

Reward

Control

Experiment 1

Method. Sixty six males were randomly assigned to 3 groups. Motivation to succeed was either primed via achievement-related words hidden in a word-search puzzle (Bargh et al., 2001), or enhanced by presenting more rewarding feedback images, that is, photos of attractive females.

Results. Motivated participants performed above chance level (the bold line on the graph) and better than the control ones.

Experiment 2

Method. Participants (N=95) were
randomly assigned to either achievement-30
priming or control group. Priming was
identical to Exp. 1. The number of trials
was doubled to test whether motivation is
a necessary condition for category-based
subliminal effects.

subliminal effects.

Results. In the first half of the trials only motivated participants performed above

chance level, while in the second half both groups did.

Conclusions

Exp. 1 showed that enhancing motivation to succeed both by priming achievement and strengthening reward made participants benefit from subliminal cues. Exp. 2 replicated this result, and showed that with more practice controls reached the same level of performance. We conclude that motivation boosts the influence of subliminal cues on choice even when the cues are semantically unrelated to the motivation.

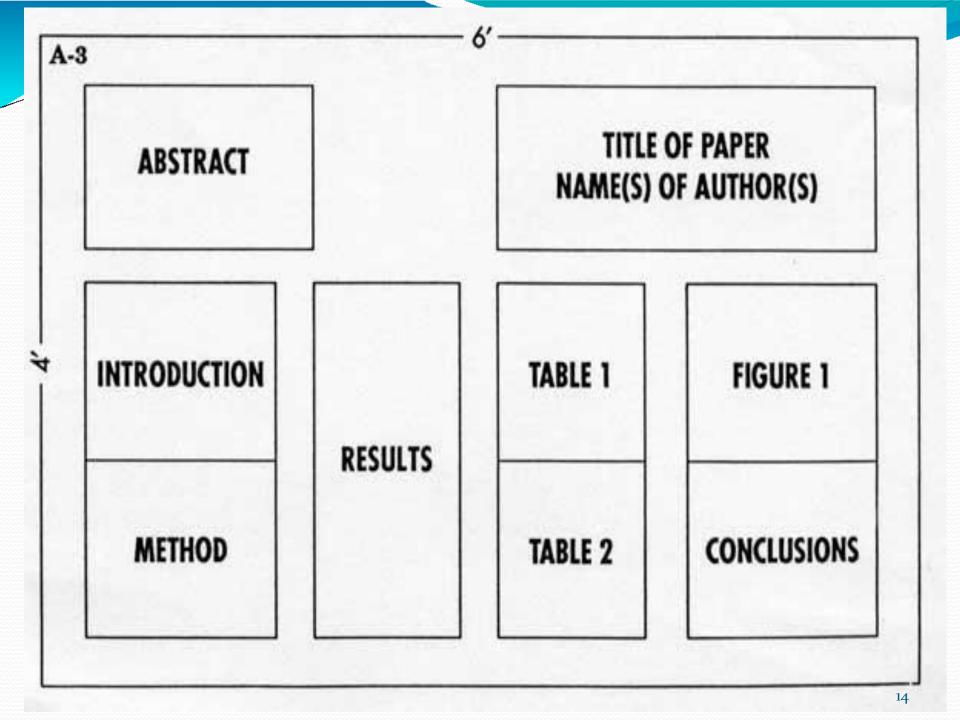
References

Bargh, J. A., Gollwitzer, P. M., Lee Chai, A., Bamdollar, K., & Trötschel, R. (2001). The automated will: Nonconscious activation and pursuit of behavioral goals. *Journal of Personality and Social Psychology*, 81,1014–1027.

Karremans, J., Stroebe, W., & Clauss, J. (2006) Beyond Vicenty's fantasies: The impact of subliminal priming and brand choice. *Journal of experimental social psychology*, 42, 792-798.

Strahan, E., Spencer, S., & Zanna, M. (2002). Subliminal priming and persuasion: striking while the iron is hot. *Journal of experimental social psychology*, 38, 556-558.
Van den Bussche, E., Van Den Noortgate, W., & Reynvoet, B. (2009). Mechanisms of masked priming: A meta-analysis. *Psychological Bulletin*, 135, 452-477.

For further information contact: maxim.milyavsky@mail.hujiac.il



Title Author(s)/Institution(s **Tables** Abstract Methodology Results Introduction Graphs **Pictures** Summary and and Purpose Conclusion



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PROVIDING PSYCHOLOGICAL SUPPORT FOLLOWING FACIAL INJURY

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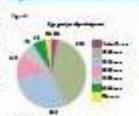
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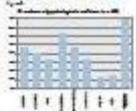
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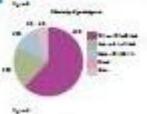


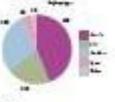


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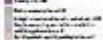
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TITLE

Names of all coauthors Pomona College

Abstract

About 100 words or fewer. You need to give a comprehensive overall picture. Here and everywhere, use a font large enough to read from 3-4 feet.

Introduction

Acquaint the reader with the problem and explain how your approach may answer some question. Refer to sources, using APA format.

Method

This should be brief. Just present the basic points. Consider using a bulleted list. Make sure the reader has a good general idea of what you did (Participants, Materials, Procedure).

Questionnaire or Stimulus Materials



Figures and tables

Make sure figures can be easily interpreted and are visible from a distance. Use a graphics program.

Do not try to pack too much information into a figure or table. It should be "readable"—it should make sense visually and present information in a manner that can be picked up quickly.

Children Imitate Models Children Imitate Models

Results

Brief verbal description of what you found.

Discussion

What do your results mean? What theoretical ideas do they support or reject?

Conclusions

Usually concise bulleted statements of 2 or 3 main points—the take-home message.

References

Just the main ones.



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Loren Ipsum, MS, RD, CDN, CDEL Berkeley University, California USA

Introduction

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Materials and Methods

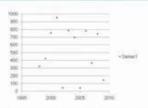
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Materials and Methods (cont.)



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Results

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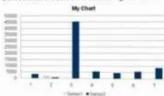
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Results (cont.)



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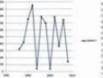


Conclusions

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Property Changes of Polymer Composites Reinforced with Ti₃C₂

Natalie Klotz 1, Shan Cheng 2, Dr. Christopher Li 2, Dr. Michel Barsoum 2

*Brown University: Providence RL *Dreset University Department of Materials Science & Engineering . Philadelphia PA



Introduction

TLAC, is a member of the MAX Phase coverage Man At, with n = 1-3. where M is an early museome metal. A is an A-group (mostly ESA and EVA) element and X is within carbon or introgens. Compressals from this group exhibit behaviors of northing Jille-coloury) as lies on-withshoot has adjustion-ships restriance, high melting point, and thorountability. The Yo,C., monodents used to this research are multilayer structures produced by the edutation of TLAK, The term "MXcoo" is used to describe these associatests produced from the MAX phase



Recause of their size and seeface functional groups, Milese to an klool little for areating polymer nanounementary-composites in which one dimension of the Affect is beta short 100 mm. One on the high surface to volume ratio of the minforcement, these composites do not hillow the only of matures. This, even mid committations can law large impacts in the properties of the companie. Scaplene, sampe store electric of graphite, have been effective to cleaning nanniamposites. Briance Micross are similar to graphers, it is believed they will act as good fillers. Additionally, the existence of surface ligaritional groups in Milene dward ensure better bonding to the polymer states. Sich composites would be have potential applications in the automotive aerospace, construction and elizationally landaustries.

For this sharp of Micros nassessmenters, TLC, was soud as filler to high dentity polyetholose (HDPE) as well as polysiophilene fluorisis (PVIIF). Due to theywartability and high elastic undulin of the Micro nancomposites mechanical properties nanocomposites would greatly differ from those of the subytant: even at conventrations as line as 5 with.

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Composite preparation for Ti₂C, in high density polyethylene (HDPE) and polyvinylindene fluuride (PVDF)



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(b) South progressment to elsevito be Miles PVIII congrue PVIII LLEP MYS. 15; Albert 13:52 MPs.

Thermogravimetric Analysis

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(2) Timperorate early of depolation and Light will with decrease or many and street but had STOPE and IN PATH compositor

Tensile strength.

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Differential Scanning Calorimetry



[1] BIC analysis of currous Missas HEFE



Results (cont'd)

Polarizot Microscope Images

15 bearing of Micros STPT comparing after square

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Conclusions

- ♦ Tensile strength was not improved for HDPE composites and slightly improved for PVDE composites. This is likely due to the common fluorine atoms is both the PVDF and the functional groups on the surface of the MXene.
- Thermostability was increased for both types of composites. equalty. T___ was increased by around 120 °C and T__ was increased by mostly 100 °C
- Crystallinity and crystallization temperatures diffied slightly.
- Imaging showed MXone regions in composites to be several microns.
- This method of preparing and dispersing the MXeue was not increastif in creating nanocomposites.

Future Work

Treating the Micros before souting the composite with methods previously used for graphene composites could produce better results. We tuve tried using tributylanuse (TBA) to after the MXme in order to get better dispersion. Spaging with the polarized light microscope showed MXene to be better dispersed than previous methods. Transmission

electron microscopy (TEM) analysis altowed Similar findings.

Treated MXene samples hoven't been used in opeposites yet. Continuing to from Milene with methods that have been successful for graphene. could lead to Mitone nanocomposites, \$60, more eformation about the structure and behavior of MXrmes is needed.



References



THE INFLUENCE OF TRITON-X ON THE EVAPORATION RATE OF METHANOL-AN ANALYSIS USING REVERSED-FLOW GAS CHROMATOGRAPHY (RF-GC) METHODOLOGIES

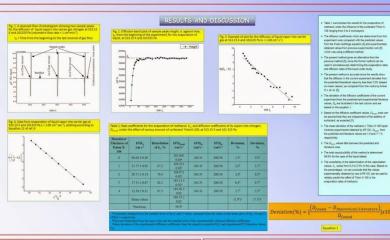
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Department of Chemistry, Faculty of Science, Universiti Malaya, 50603 Kuala Lumpur, Malaysia ²Food and Agriculture Analysis Laboratory Program, Technical Service Centre, MARDI Headquarters, 43400 Serdang, Selangor

INTRODUCTION
scochemical properties of source. This technique which is a part of flow-perturbation gas chromatography is used to investigate the Reversed-Flow Gas Chromatography (RF-GC) is a relatively new technique to determine the physic vation of low molecular weight alcohol under the influence of surfactant. Waste methanol is considered as an ignitable hazardous waste by US Environmental Protection Agency when its concentrations equal to or greater than 24% by weight. The aim of this study is to determine whether non-ionic surfactant possesses a suppressing effect on the evaporation of pure methanol. The evaporation rates as well as the diffusion rates of methanol are determined with a Triton-X monolayer(s) being imposed on the liquid-gas interphase; while nitrogen acts as carrier gas in the sampling procedure, at 313 K. The precision (>99.9%) and accuracy of this investigation demonstrates the potential of current hooklogies for envirormental impact studies, this is further verified when the results are compared with the available literature. The evaporation rates of methanol do vary in the presence of various amounts of Trition X-100 reflects that application of surfactants do retard the evaporation rates of liquid pollutants, without interference with the former's diffusion coefficients. High amounts of Triton X-100 are required for retardation of evaporation rates, suggesting the formation of a densely packed surface monolayer or the formation of an insoluble monolayer. The findings contribute to the knowledge of the evaporation of liquid influenced by surfactant's monolayer(s) at certain temperature and a propose mechanism of methanolic vaporization in prior of acute toxicity to the human being.





>The k, values in the presence of various amounts of Triton X-100 corresponding to the formation of an adsorbed monolayer at the surface of the methanol; demonstrating that Triton X-100 does make the evaporation rates decrease

- > The evaporation rate supresses by a high percentage, i.e. 67.2%; with just one monolayer of TritonX-100
- > The usage of RF-GC has value because of its precision and experimental simplicity.

The authors would like to thank Malaysian Agricultural Research and Development Institute (MARDI) and Bright Sparks Unit, Skim Biasiswazah University of Malaya for scholarship and financial assistance. The work was also supported by a Postgraduate Research Grant (PPP) No. PG067-2013A from Institute of Research Management and Monitoring (IPPP), University of Malaya The author wants to dedicate special thanks to Dr. Tay Kheng Soo for his critique and review of the findings from the experiments; as well as to the staff of the Department of Chemistry, University of Malaya, for their technical support. The author is also indebted to Miss Kumuthini A/P Chandrasekaram for her assistance on tensiometer usage.

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John Smith, MD¹, Jane Doe, PhD¹; Frederick Smith, MD, PhD^{1,3} University of Affiliation, 'Medical Center of Affiliation

INTRODUCTION

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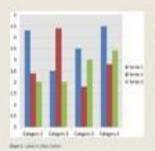
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REFERENCES

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- make each section easy to identify and create a logical reading flow on the poster
- design the poster so it can be quickly read in a few minutes
 - it is recommend that you use less than 800 words!!

- 1. Open a new PowerPoint document
- 2. Go to DESIGN-PAGE SETUP
- 3. You can set the dimensions you'd like for your poster
- 4. To add colors and background, go to DESIGN, then BACKGROUND STYLES, and then FORMAT BACKGROUND
- 5. When selecting a color for your background, remember that light is best because a dark font shows up clearly on it. Avoid using a very bright or dark background.

6. You can choose a solid color, or a gradient. For either selection, you can slide the TRANSPARENCY bar at the bottom to make the color lighter and more transparent.

7. To use a picture as a background, go to FORMAT BACKGROUND, click "Picture or Texture fill." Click "file" and then navigate to your picture. You can also use Clip art. When using a picture as a background, adjust your transparency so that your text will show up clearly. Only use a picture if it is relevant to your topic!

8. You will notice that you start with two boxes on your slide. The long rectangular box can be moved to the top to accommodate your title.

9. To add more boxes, go to INSERT-TEXT BOX. You can drag your box around until you have it where you want it and then re-size it. You might want to start with 5 boxes: one for your title, one for your intro, one for methods, one for results, and one for your discussion.

10. You can add a chart or graph to your presentation by clicking in a box and going to INSERT-CHART. You will find that there are a variety of graphs to add. Select whichever works best for your data. From here you can also insert relevant pictures or clip art. Be careful with Clip Art, though: it's generic and you don't want your poster to look just like everyone else's.

11. When you need to cite information on your poster, it is easiest to write your citations in a regular word document and then copy the text into a text box. The font for this can be significantly smaller. If you cite a photo, it's easiest to drag the text box to just under the photo.

12. Be sure to save your poster and include a text box for the References in your paper.

Poster text

- The main idea and title of your poster should be identifiable from approximately 2-3 metres.
- Font sizes must be legible from approximately 2-3 metres i.e. at least 96-100 point for main heading, 30-36 point for subheadings and 18-24 point for standard text.
- Recommended typefaces include Arial,
 Verdana, Tahoma and Times New Roman.

Poster text

- For emphasis underline, italicise or colour highlight text, but do not CAPITALISE as this is often considered the equivalent of shouting.
- Blocks of text should not exceed three paragraphs and should be left-aligned; avoid centred and right-aligned text.
- Use dot points, lists or tables to increase clarity and quantity of information.
- Avoid abbreviations, acronyms and jargon, unless it is pertinent detail specific to your discipline.

Poster colours

- Use a light coloured background with dark coloured text for contrast. Avoid dark backgrounds with light letters.
- When possible, stick to a theme of 2-3 colours that are thematically linked e.g. water = blue.
- If you use multiple colours, use them in a consistent pattern, otherwise viewers will spend their time wondering what the pattern is rather than reading the specifics of your poster.

Poster colours

- Overly bright colours will attract attention, but may become visually overwhelming or distracting on the eyes.
- Consider people who have problems differentiating colours, especially when designing graphics. One of the most common problems is an inability to tell green from red.

Poster graphics

- Use only high quality graphics (i.e. graphs, illustrations and photos) as the centrepiece of your poster, as they need to communicate themes and relationships quickly.
- Present numerical data in the form of graphs rather than tables, as graphs make trends in the data much more evident. If data must be presented as a table, keep it simple.

Poster graphics

- Avoid 3D graphs unless you are displaying 3D data, as 3D images can be difficult to interpret.
- Text on graphs must follow the same guidelines as all other text on your poster, in order to be visible.

Overall poster presentation

- Leave a 3-5cm border around the entire poster to frame your work.
- Eye movement should be neutral i.e. vertically-down columns, horizontally-along rows, top to bottom. Use font sizes, arrows, letters or numbers to clarify a sequence.
- Colour selection should be simple and pleasing to the eye to help unify the poster.
- Intense colours can be used for borders, contrast and emphasis.

Overall poster presentation

- Keep the layout basic and the text brief without overloading the poster. More material can mean less communication. Text should be balanced with graphics, about 50:50.
- Visuals should be uncomplicated and bold. Leave out unnecessary details and ensure that visuals can 'stand alone' i.e. that graph axes are properly labelled, that maps have north arrows and distance scales, and that symbols are self-explanatory or explicitly explained.

Overall poster presentation

- Include blank space to create a visually attractive poster that is not too 'busy'. Viewers will be able to recognise the most important information if it is not buried in the poster.
- Make sure that the text and the visuals are integrated i.e. figures are numbered and labelled consecutively according to the order in which they are found in the text and are in close proximity to the corresponding text.

Other recommendations

- Create a handout for your readers that includes a miniature version of your poster and more detailed information about your work. Consider doing this on A4 paper, folded to A5. This will allow for three pages of information and one page for your poster image.
- Provide your contact information, such as an email address and/or a URL, where the viewer can download a PDF version of your poster and additional information on your research. Place handouts and business cards nearby e.g. on a table or in an envelope hung with the poster.