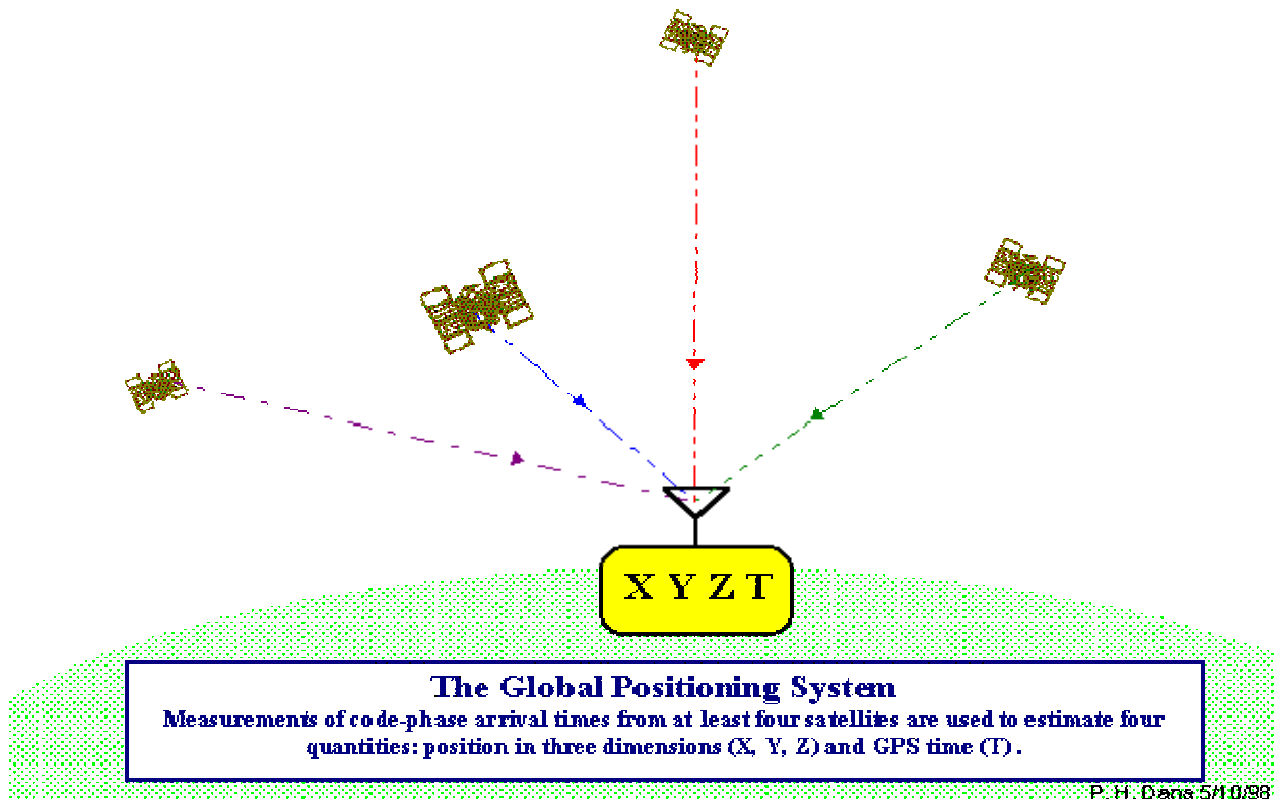


### GRADE 10 TASK GROUPS FOR GPS ASSIGNMENT

- Your teacher will divide you into groups of  $\pm(6 - 8)$  pupils.
- Groups 1 & 3 will conduct research into the use of GPS for human surveillance.
- Groups 2 & 4 will conduct research into the use of GPS for animal surveillance.
- Each group should assign a **leader** who will be responsible for monitoring the progress of the group and ensuring that deadlines are met. The leader must also ensure that the assignments reflect a common theme whilst covering different aspects of the topic.
- Each group will complete 3 tasks
  - Task 1: PowerPoint Presentation
  - Task 2: Publication / Newsletter
  - Task 3: Website
- The tasks will be divided between the group members with 2 members per task.
- Where there are 8 members in a group, then your group will do 2 PowerPoint presentations on **different** topics.
- The strengths and weaknesses of the members of your group should be taken into account when deciding who will do each task.



**GROUP 1 & 3 : THE USE OF GPS FOR HUMAN SURVEILLANCE****Task 1 : PowerPoint Presentation**

You may consider ONE of the following aspects of human surveillance;

- The use of GPS in criminal surveillance
- The use of GPS in military surveillance
- The use of GPS transmitter chips in cell phones
- Any other use of GPS that involves human surveillance, eg tracking juveniles / teens, tracking Alzheimer sufferers



**NOTE:** Task 1 & 3 must be on a **different** topic, *eg if task 1 is on criminal surveillance then task 3 could be on military surveillance or juvenile surveillance but not on criminal surveillance.*

**Read the following instructions**

- You will work in pairs to conduct research in order to produce a PowerPoint presentation that deals with the use of GPS in the category that you have selected.
- Your presentation should consist of 8 slides covering the following content;
  1. Title slide
  2. Content slide
  3. How GPS is used specifically in your assigned category (brief technical outline)
  4. The different ways in which GPS can be used in your assigned category (types of surveillance)
  5. Advantages of GPS in your category
  6. Disadvantages of GPS in your category
  7. Conclusion
  8. Bibliography
- You and your partner must plan your presentation carefully using the storyboard.
- You and your partner will be required to present your slide show to the rest of the class using the Smart Board.
- Your discussion must expand on the points made in the slides. Use the space provided in the slides for speaker notes.
- Refer to the assessment rubric and the PowerPoint on presentation tips (*Science website on the intranet*) to ensure that you cover all of the points required to make and deliver a good PowerPoint presentation.

Some points to note;

- Investigate what the South African Human Rights Commission (SAHRC) has to say about individual rights.
- Try to ensure that you give a balanced objective overview of the advantages and disadvantages of using GPS technology for the aspect of human surveillance that you have chosen, relating your points where relevant to the SA constitution.
- In your conclusion give your own opinion rather than that represented in the resources that you have consulted.
- Refer to the list of web addresses that may provide information on your topic.

**GROUP 1 & 3 : THE USE OF GPS FOR HUMAN SURVEILLANCE****Task 2 : Publication****Read the following instructions**

- You will work in pairs to conduct research in order to use Microsoft Publisher to produce a Newsletter that deals with the use of GPS in the category that your group has been assigned.
- Your newsletter should consist of 2 pages covering the following content;
  1. Lead story  
The use of GPS technology in **tracking young children or teenagers**. Your story should explain in simple terms how GPS technology could be used to track a child, giving relevant examples. This story should emphasise the advantages of putting GPS technology to this particular use.
  2. Secondary story  
This story should be written from the point of view of a **children's rights activist**, emphasising the disadvantages of using this type of technology to track children.
  3. Inside story 1  
This article will be entitled "Eye in the Sky ..... Big Brother is Watching!" The article is written from the point of view of a **human rights activist** informing the public of the lack of freedom imposed by this technology.
  4. Inside story 2  
The use of GPS in **vehicle tracking**. Your article will be in the form of an advert emphasising the benefits of GPS technology to ensure the safety of your vehicle.
  5. Inside story 3  
**Bibliography**, which acknowledges all sources used in your newsletter.
- You and your partner must plan your website carefully using the storyboard.
- After each story you must write the name(s) of the person in your group responsible for that particular article.
- You and your partner will be required to present your newsletter to the rest of the class using the Smart board.
- You must discuss the content of the different articles.
- Refer to the assessment rubric to ensure that you cover all of the points required to make and present a good newsletter.

Some points to note;

- Investigate what the South African Human Rights Commission (SAHRC) has to say about individual rights.
- Refer to the list of web addresses that may provide information on your topic.

**GROUP 1 & 3 : THE USE OF GPS FOR HUMAN SURVEILLANCE****Task 3 : Website**

You may consider ONE of the following aspects of human surveillance;

- The use of GPS in criminal surveillance
- The use of GPS in military surveillance
- The use of GPS transmitter chips in cell phones
- Any other use of GPS that involves human surveillance, eg tracking juveniles / teens, tracking Alzheimer sufferers

NOTE: Task 1 & 3 must be on a **different** topic, *eg if task 1 is on criminal surveillance then task 3 could be on military surveillance or juvenile surveillance but not on criminal surveillance.*

**Read the following instructions**

- You will work in pairs to conduct research in order to use Microsoft Publisher to produce a website that deals with the use of GPS in the category that you have selected.
- Your website should consist of 8 pages covering the following content;
  1. Home Page  
Introduce the theme of your website. Give a brief introduction to the various uses of GPS (no details necessary) and state which of these uses your website will deal with. Your home page should relate to the critical question, "GPS friend or Foe?" (ie advantages & disadvantages of GPS).
  2. Page 2: How GPS Works  
This page should give a simple explanation as to how GPS works (relevant diagrams will assist).
  3. Page 3: The specific use of GPS in your chosen category.  
Discuss the different ways in which GPS can be used in your chosen category (types of surveillance)
  4. Page 4: Advantages of GPS in your category
  5. Page 5: Disadvantages of GPS in your category  
Make reference to relevant Human Right's organisations *eg SAHRC (South African Human Rights Commission)*.
  6. Page 6: Conclusion
  7. Page 7: Bibliography & Related Links  
This page must include links to the 2 other tasks done by your group, ie the PowerPoint presentation and the newsletter.
  8. Page 8: About Us  
On this page will be the names of all of the learners in the group and their responsibilities with regards to the assignment. Give a brief description of how the group worked together as a whole, including why the tasks were divided in the manner given. A photo of your group members should be included. (This page will give the educator information about your ability to work together as a group.)
- You and your partner must plan your website carefully using the storyboard.
- Make relevant use of diagrams and pictures.
- There should be links to related articles.
- Do not clutter your pages. Keep explanations clear and simple (use point form where relevant).
- You and your partner will be required to present your website to the rest of the class using the Smart Board.
- Refer to the assessment rubric to ensure that you cover all of the points required to make and deliver a good website.

Some points to note;

- Try to ensure that you give a balanced objective overview of the advantages and disadvantages of using GPS technology for the aspect of human surveillance that you have chosen, relating your points where relevant to the SA constitution.
- In your conclusion give your own opinion rather than that represented in the resources that you have consulted.
- Refer to the list of web addresses that may provide information on your topic.

## **GROUPS 2 & 4 : THE USE OF GPS FOR WILD ANIMAL SURVEILLANCE**

### **Task 1 : PowerPoint Presentation**

You may consider ONE of the following aspects of animal surveillance;

- The use of GPS in elephant surveillance
- The use of GPS in lion surveillance
- The use of GPS in leopard surveillance
- The use of GPS in wild dog surveillance
- The use of GPS in shark surveillance
- Any other use of GPS that involves animal surveillance

**NOTE:** Task 1 & 3 must be on a **different** topic, *eg if task 1 is on leopard surveillance then task 3 could be on elephant surveillance or lion surveillance but not on leopard surveillance.*



### **Read the following instructions**

- You will work in pairs to conduct research in order to produce a PowerPoint presentation that deals with the use of GPS in the category that your group has been assigned.
- Your presentation should consist of 8 slides covering the following content;
  1. Title slide
  2. Content slide
  3. How GPS is used specifically in your assigned category (brief technical outline)
  4. The different ways in which GPS can be used in your assigned category (types of surveillance)
  5. Advantages of GPS in your category
  6. Disadvantages of GPS in your category
  7. Conclusion
  8. Bibliography
- You and your partner must plan your presentation carefully using the storyboard.
- You and your partner will be required to present your slide show to the rest of the class using the Smart Board.
- Your discussion must expand on the points made in the slides. Use the space provided in the slides for speaker notes.
- Refer to the assessment rubric and the PowerPoint on presentation tips (*Science website on the intranet*) to ensure that you cover all of the points required to make and deliver a good PowerPoint presentation.

Some points to note;

- Investigate what animal rights groups have to say about the use of GPS
- Try to ensure that you give a balanced objective overview of the advantages and disadvantages of using GPS technology for the aspect of animal surveillance that you have chosen.
- In your conclusion give your own opinion rather than that represented in one of the resources that you have consulted.
- Refer to the list of web addresses that may provide information on your topic.

## **GROUPS 2 & 4 : THE USE OF GPS FOR WILD ANIMAL SURVEILLANCE**

### **Task 2 : Publication**

#### **Read the following instructions**

- You will work in pairs to conduct research in order to use Microsoft Publisher to produce a Newsletter that deals with the use of GPS in the category that your group has been assigned.
- Your newsletter should consist of 2 pages covering the following content;
  1. Lead story  
The use of GPS collars in **wild animal tracking**. Your story should explain in simple terms how GPS technology could be used to track a wild animal, giving relevant examples. This story should emphasis the advantages of putting GPS technology to this particular use.
  2. Secondary story  
This story should be written from the point of view of an **animal rights activist**, emphasising the disadvantages of using this GPS technology to track animals.
  3. Inside story 1  
It is possible that the satellites intended to track animals could be used to monitor human activity. This article will be entitled "Eye in the Sky ..... Big Brother is Watching!" The article is written from the point of view of a **human rights activist** informing the public of the lack of freedom imposed by this technology.
  4. Inside story 2  
The use of GPS by **Private Game Lodges**. Your article will be in the form of an advert emphasising the benefits of GPS technology to ensure easy, frequent sightings of leopards / lions etc.
  5. Inside story 3  
**Bibliography**, which acknowledges all sources used in your newsletter.
- You and your partner must plan your newsletter carefully using the storyboard.
- After each story you must write the name(s) of the person in your group responsible for that particular article.
- You and your partner will be required to present your newsletter to the rest of the class using the Smart board.
- You must discuss the content of the different articles.
- Refer to the assessment rubric to ensure that you cover all of the points required to make and present a good newsletter.

Some points to note;

- Investigate what the animal rights groups (eg SPCA) have to say about the use of GPS collars.
- Investigate what the South African Human Right's Commission has to say about individual (human) rights.
- Refer to the list of web addresses that may provide information on your topic.

**GROUPS 2 & 4 : THE USE OF GPS FOR WILD ANIMAL SURVEILLANCE****Task 3 : Website**

You may consider ONE of the following aspects of animal surveillance;

- The use of GPS in elephant surveillance
- The use of GPS in lion surveillance
- The use of GPS in leopard surveillance
- The use of GPS in wild dog surveillance
- The use of GPS in shark surveillance
- Any other use of GPS that involves animal surveillance

**NOTE:** Task 1 & 3 must be on a **different** topic, *eg if task 1 is on leopard surveillance then task 3 could be on elephant surveillance or lion surveillance but not on leopard surveillance.*

**Read the following instructions**

- You will work in pairs to conduct research in order to use Microsoft Publisher to produce a website that deals with the use of GPS in the category that you have selected.
- Your website should consist of 8 pages covering the following content;
  1. Home Page  
Introduce the theme of your website. Give a brief introduction to the various uses of GPS (no details necessary) and state which of these uses your website will deal with. Your home page should relate to the critical question, "GPS friend or Foe?" (ie Advantages & disadvantages of GPS).
  2. Page 2: How GPS Works  
This page should give a simple explanation as to how GPS works (relevant diagrams will assist).
  3. Page 3: The specific use of GPS in your chosen category.  
Discuss the different ways in which GPS can be used in your chosen category (types of surveillance)
  4. Page 4: Advantages of GPS in your category
  5. Page 5: Disadvantages of GPS in your category  
Make reference to relevant Animal Right's organisations *eg SPCA*
  6. Page 6: Conclusion
  7. Page 7: Bibliography & Related Links  
This page must include links to the 2 other tasks done by your group, ie the PowerPoint presentation and the newsletter.
  8. Page 8: About Us  
On this page will be the names of all of the learners in the group and their responsibilities with regards to the assignment. Give a brief description of how the group worked together as a whole, including why the tasks were divided in the manner given. (This page will give the educator information about your ability to work together as a group.)
- You and your partner must plan your website carefully using the storyboard.
- Make relevant use of diagrams and pictures.
- There should be links to related articles.
- Do not clutter your pages. Keep explanations clear and simple (use point form where relevant).
- You and your partner will be required to present your website to the rest of the class using the Smart Board.
- Refer to the assessment rubric to ensure that you cover all of the points required to make and deliver a good website.

Some points to note;

- Try to ensure that you give a balanced objective overview of the advantages and disadvantages of using GPS technology for the aspect of animal surveillance that you have chosen, relating your points where relevant to any animal rights bodies.
- In your conclusion give your own opinion rather than that represented in the resources that you have consulted.
- Refer to the list of web addresses that may provide information on your topic.