

FINAL PROJECT OF ICT

CREATING A WEB ABOUT A PROBLEM.

PROBLEM IDENTIFICATION:

- contamination of water

★ **refers to:** presence of harmful substances in water that make it unsafe for drinking, bathing, cooking, or other daily activities. Contaminated water can cause a wide range of health problems. The causes of water contamination can vary depending on the location, but they often stem from **human activities**.

★ **types:**

- **Biological contamination** occurs when water is polluted by microorganisms, such as bacteria, viruses, parasites. These microorganisms can cause a variety of diseases.
- **Chemical contamination** Water can become contaminated by a variety of toxic chemicals, which often come from industrial, agricultural, or urban runoff. Chemical contamination is especially dangerous because it can have long-term health effects.
- **Physical contamination** occurs when foreign materials, such as dirt, debris, or plastics, enter water sources, making it unsafe for use.
- **Radiological contamination** Water can also become contaminated with radioactive substances, often from natural sources or industrial activities. This type of contamination is less common but can be highly dangerous.

TARGET AUDIENCE :

- adults

★ **Characteristics:**

- **Age range:** 30 and 55 I choose this age range because after carrying research I realize that adults with this age are the most common to have a good income
- **Income:** The group of adults that we want to attract need to have enough income to help donate. However this income doesn't need to be much due to the fact that large amounts of money are not needed (small amounts also help)
- **Interest:** The target audience needs to be interested in helping not only the environment and its looks but also animals that are dying because of water contamination. In addition they may want to make sure that their children have a safe and good looking environment.
- **Disabilities:** Most of the adults between 30 and 55 do not have disabilities

★ **Why is it related to them?** Water contamination is related to adults because they are often the ones that produced it more. For example the companies (that are ruled by adults) are the ones who contaminate water the most , the companies that contaminate the most include : agriculture practice, urbanization and development, deforestation. Also adults are in charge of the waste disposal of their homes which most of the time ends in the water. In addition, adults also can have a great influence in the solution of this problem.

★ **How does it affect them ? why do they need to help solving the problem?**

- **Health issues:** Contaminated water can carry harmful bacteria, viruses, parasites that lead to diseases like cholera, dysentery, typhoid, and hepatitis. Adults who drink or come into contact with contaminated water are at risk of gastrointestinal issues, dehydration, and more severe illnesses.
- **Economic impact:** Health problems caused by contaminated water lead to higher medical expenses, treatment costs, and lost income due to illness or disability.
- **Environmental impact:** Contaminated water affects not just human health but also the broader ecosystem, including the health of fish, wildlife, and plant life. Adults who depend on local water sources for fishing, agriculture, or recreation are directly impacted by the destruction of these ecosystems.
- **Conclusion:** adults should help to solve this problem because as we can see it has many negative impacts in them that need to be prevented before they become bigger problems which affect also other people

★ **How can they collaborate to prevent this problem (solutions) :**

- **Reduce plastic waste of home:** Recycle plastics, Use alternatives to plastic like reusable utensils, grocery bags, etc. Shop locally and buy fruit & vegetables not wrapped in plastic. Buy organic/natural & environmentally-friendly care products
- **Education:** Adults can teach children about the value of clean water and the consequences of water pollution, helping to cultivate environmentally responsible habits for future generations.
- **Use fewer chemicals:** Farmers and adults involved in agriculture can reduce the use of chemical pesticides and fertilizers that often run off into water sources. Opting for organic farming methods and practicing integrated pest management helps reduce chemical contamination.
- **Do not use the toilet as a trash bin:** Your toilet is not a trash bin, it is for human waste only. Avoid flushing wet wipes, diapers, and other things that cross your mind down the toilet – that is what a trash bin is for. Flushing these items down the toilet can cause sewage lines to become blocked, therefore the sewage system cannot do its job

properly. When things get blocked, water cannot be cleaned efficiently in wastewater facilities or a septic tank.

- **Support local clean-up efforts:** Adults can organize or participate in river, lake, or beach clean-ups to remove pollutants that could enter water systems.
- **Donate money:** Donating money to combat water contamination is a powerful way to contribute to solutions on a global, national, or local scale. Clean Water Action is working to protect our water resources, reduce pollution, and ensure everyone has access to safe water. Your donation helps fund crucial campaigns and solutions to protect our water systems. Please visit cleanwater.org to donate and support their important work!

INSPIRATION:

<https://sensorex.com>

The screenshot shows a web browser window with the URL https://sensorex.com/effective-water-pollution-solutions-to-protect-our-environment/?srslid=AfmBOoq8H8Aq0nhOxlsQd4Pz5_JihzulyZ-tdsVxWmkFdVBSpWV0t.... The page title is "9 Effective Water Pollution Solutions to Protect Our Environment". The main content features a large image of a person wearing green gloves and a green apron, crouching near a body of water. Below the image, the text reads "05/26/2020 | ENVIRONMENTAL | 8 MINUTE READ". The article title is prominently displayed in large white text. To the right, there is a sidebar titled "POPULAR ARTICLES" with links to related articles. At the bottom left, there is a "Table of Contents" section with a list of 9 numbered items. On the right side, there is a blue sidebar with text and a yellow button labeled "VIEW PH CALCULATOR". The footer contains standard website navigation links and a search bar.

I liked that they used a photo for each way of solution, I also liked that the ideas were original and different from the ones we usually know

<https://solarimpulse.com>

A screenshot of a web browser showing the Solar Impulse Foundation's website at solarimpulse.com/topics/water-pollution#. The page is titled "01. Definition" and features a large image of plastic waste floating in water. The text discusses the definition of water pollution and its two types.

SOLARIMPULSE FOUNDATION

ABOUT ▾ SOLUTIONS ▾ ADVOCACY ▾ JOIN US ▾ News Sign up Log in EN ▾ Q

01. Definition 02. Causes 03. Impacts 04. Solutions 05. Implementations 06. Conclusion Other Topics

01. Definition **What is water pollution?**

Water pollution can be defined as the contamination of a stream, river, lake, ocean or any other stretch of water, depleting water quality and making it toxic for the environment and humans. **There are two types of water pollution:**

1. Organic pollution due to microorganisms - bacteria and viruses - present in the water, generated by excrement, animal and vegetable waste
2. Chemical pollution generated by the nitrates and phosphates of pesticides, human and animal drugs, household products, heavy metals, acids and hydrocarbons used in industries

I liked the combination of blue and orange

<https://atlas-scientific.com>

To reduce plastic waste at home, we can do the following:

- Recycle plastics
- Use alternatives to plastic like reusable utensils, grocery bags, etc.
- Shop locally and buy fruit & vegetables not wrapped in plastic
- Buy organic/natural & environmentally-friendly care products



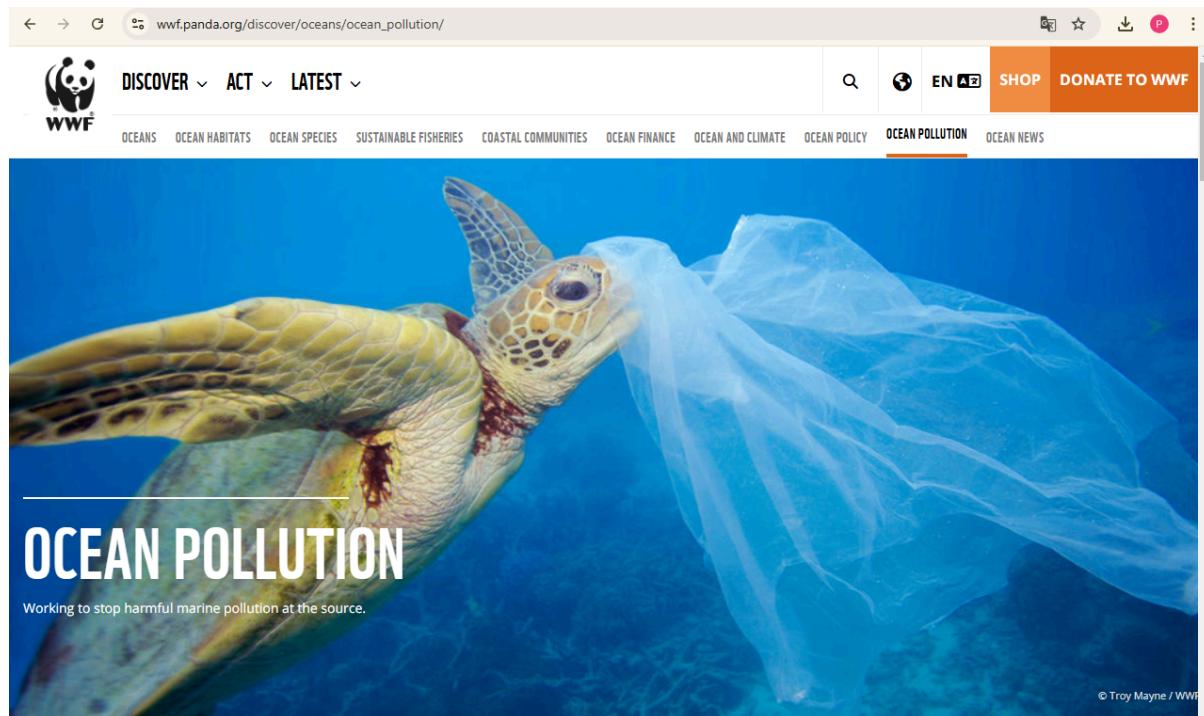
I liked the information of this web. Especially the solutions

<https://cleanwater.org>

The homepage of Clean Water Action. At the top, there is a navigation bar with a search icon, a "SIGNUP" button, and a "DONATE" button. Below the navigation, the Clean Water Action logo is displayed, featuring a stylized water droplet icon and the text "CLEAN WATER ACTION" with "PEOPLE • ACTION • JUSTICE" underneath. To the right of the logo, there are links for "Priorities", "Take Action", "Support Us", "About", "News", and "Blog". On the left side of the main content area, there is a vertical column of social media sharing icons for Facebook, Twitter, LinkedIn, and Google+. The main content features a large, vibrant photograph of a young girl with long dark hair, smiling and holding a red and blue umbrella, standing in the rain. To the right of the photo, the text "Fighting for clean water for all is what we do." is written in large, bold, green and grey letters. A teal "Donate Now" button is located in the bottom right corner of the photo area.

I liked their donation system, this is why I am going to add a link to this web so if adults want to donate money they can do it from here.

<https://wwf.panda.org>



I LIKED THEIR IMAGE AND TITLE FONT

Designs :

Table

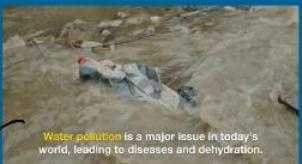
Image title With=100 height=300	
Navigation bar width=100 height=20	
What the problem is Video of causes	I M A G E
height = 100 colspan = 100 rowspan = 1 height = 100	cols=100 rowspan = 1 height = 100

Page ① = Causes



WATER CONTAMINATION

CLEAN WATER HEALTHY FUTURE

Causes	Consequences	Solutions
What is water contamination? Presence of harmful substances in water that make it unsafe for drinking, bathing, cooking, or other daily activities.	 Water pollution is a major issue in today's world, leading to diseases and dehydration.	

> video explaining causes

Navigation Bar

TABLE

Navigation Bar <small>same as every page</small>	
colspan=100 height=100 rowspan=1 Consequences consequens Image	Image colspan = 200 rowspan = 5 height = 200 Consequence Image

Page ② = Consequences

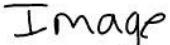
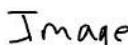
Navigation Bar

Causes	Consequences	Solutions
How water contamination affects us?	<p>Health issues: Contaminated water can carry harmful bacteria, viruses, parasites that lead to diseases like cholera, dysentery, typhoid, and hepatitis. Adults who drink or come into contact with contaminated water are at risk of gastrointestinal issues, dehydration, and more severe illnesses.</p> <p>Economic impact: Health problems caused by contaminated water lead to higher medical expenses, treatment costs, and lost income due to illness or disability.</p> <p>Environmental impact: Contaminated water affects not just human health but also the broader ecosystem, including the health of fish, wildlife, and plant life. Adults who depend on local water sources for fishing, agriculture, or recreation are directly impacted by the destruction of these ecosystems.</p>  	

Page ③ and ④ = solutions

Causes	Consequences	Solutions
	How can you contribute to make a better environment? Reduce plastic waste at home: Recycle plastics. Use alternatives to plastic like reusable utensils, grocery bags, etc. Shop locally and buy fruit & vegetables not wrapped in plastic. Education: Adults can teach children about the value of clean water and the consequences of water pollution, helping to cultivate environmentally responsible habits for future generations.	 Do not use the toilet as a trash bin: Avoid flushing wet wipes, diapers, and other things that cross your mind down the toilet, that is what a trash bin is for. Flushing these items down the toilet can cause sewage lines to become blocked. When things get blocked, water cannot be cleaned efficiently.
		

combine

Navigation Bar		
	Question?	
	Reduce	plastic
Do not use toilet as a trash bin	Education	
		
Donate		
		

with = 900
height = 300

with = 900
height = 300

all on a same tr

HTML 1:

```
<!DOCTYPE html>
<html>
```

```

<head>
    <meta charset="utf-8">
    <link rel="stylesheet" type="text/css" href="final project.css">
</head>
<body style="background:#0554a3;">

    <table align="center" width="100%">

        <tr>
            <td colspan="2">

            </td>
        </tr>

        <tr>
            <td height="50" colspan="2">
                <nav class="navbar">
                    <ul>
                        <li><a href="html 1.html"> causes </a></li>
                        <li><a href="html 2.html"> consequences </a></li>
                        <li><a href="html 3.html"> solutions </a></li>
                    </ul>
                </nav>
            </td>
        </tr>

        <tr>
            <td >

                <h1> What is water contamination?</h1>
                <h2> Presence of harmful substances in water that make it unsafe for drinking, bathing, cooking, or other daily activities.</h2>

            </td>
            <td rowspan="2" height="100" >
                
            </td>
        </tr>
        <tr>
            <td>
                <video controls>
                    <source src="../images/video.mp4" type="video/mp4">
                </video>
            </td>
        </tr>
    </table>

```

```
</tr>

</table>
</body>
</html>
```

Html: 2

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!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <link rel="stylesheet" type="text/css" href="final project.css">
</head>
<body style="background:#0b8bdb;">

    <table align="center" border="1" width="100%">

        <tr>
            <td colspan="2">

            </td>
        </tr>

        <tr>
            <td height="50" colspan="2">
                <nav class="navbar">
                    <ul>
                        <li><a href="html 1.html"> causes </a></li>
                        <li><a href="html 2.html"> consequences </a></li>
                        <li><a href="html 3.html"> solutions </a></li>
                    </ul>
                </nav>
            </td>
        </tr>

        <tr>
            <td colspan="2">
                <h1> How water contamination affects us? </h1>
            </td>
        </tr>

        <tr>
            <td>
```

<p><h3> Health issues: </h3></p> <p><h2>Contaminated water can carry harmful bacteria, viruses, parasites that lead to diseases like cholera, dysentery, typhoid, and hepatitis. Adults who drink or come into contact with contaminated water are at risk of gastrointestinal issues, dehydration, and more severe illnesses.</h2></p> <p></td></p>	<p><td colspan="1" ></p> <p></p>
<p></tr></p>	<p><tr></p>
	<p><tr></p> <p><td></p>
	<p><h3>Economic impact: </h3></p> <p><h2>Health problems caused by contaminated water lead to higher medical expenses, treatment costs, and lost income due to illness or disability.</p> <p></h2></p> <p></td></p>
	<p><td></p> <p><h3> Environmental impact: </h3></p> <p><h2> Contaminated water affects not just human health but also the broader ecosystem, including the health of fish, wildlife, and plant life. Adults who depend on local water sources for fishing, agriculture, or recreation are directly impacted by the destruction of these ecosystems. </h2></p>
	<p></td></p>
	<p></tr></p>
	<p><tr></p> <p><td colspan="2" ></p>
	<p></p>
	<p></td></p>
	<p></tr></p>
	<p></table></p>

</body>

</html>

HTML: 3

<!DOCTYPE html>

```

<html>
<head>
    <meta charset="utf-8">
    <link rel="stylesheet" type="text/css" href="final project.css">
</head>
<body style="background:#0b8bdb;">

    <table align="center" border="1" width="100%">

        <tr>
            <td colspan="2">

            </td>
        </tr>

        <tr>
            <td height="50" colspan="2">
                <nav class="navbar">
                    <ul>
                        <li><a href="html 1.html"> causes </a></li>
                        <li><a href="html 2.html"> consequences </a></li>
                        <li><a href="html 3.html"> solutions </a></li>
                    </ul>
                </nav>
            </td>
        </tr>

        <tr>
            <td colspan="1" >
                <h1> How can you contribute to making a better environment? </h1>
            </td>
        </tr>

        <tr>
            <td>
                
            </td>

            <td>
                <h3> Reduce plastic waste at home: </h3>
                <h2>Recycle plastics, use alternatives to plastic like reusable utensils, grocery bags, etc. Shop locally and buy fruit & vegetables not wrapped in plastic.
                </h2>
            </td>
        </tr>
    
```

<p><tr></p> <p><td></p> <p style="padding-left: 40px;"><h3> Do not use the toilet as a trash bin: </h3></p> <p style="padding-left: 40px;"><h2>Avoid flushing wet wipes, diapers, and other things that cross your mind down the toilet, that is what a trash bin is for. Flushing these items down the toilet can cause sewage lines to become blocked. When things get blocked, water cannot be cleaned efficiently. </h2></p> <p style="padding-left: 40px;"></p> <p></td></p>
<p><td></p> <p style="padding-left: 40px;"><h3> Education: </h3></p> <p style="padding-left: 40px;"><h2>Adults can teach children about the value of clean water and the consequences of water pollution, helping to cultivate environmentally responsible habits for future generations.</p> <p style="padding-left: 40px;"></h2></p> <p></td></p> <p style="text-align: right;"></tr></p>
<p><tr></p> <p><td></p> <p style="padding-left: 40px;"><h3> Donating money: </h3></p> <p style="padding-left: 40px;"><h2>To combat water contamination is a powerful way to contribute to solutions on a global, national, or local scale. Clean Water Action is working to protect our water resources, reduce pollution, and ensure everyone has access to safe water. Your donation helps fund crucial campaigns and solutions to protect our water systems. Please visit cleanwater.org to donate and support their important work! </h2></p> <p style="padding-left: 40px;"></td></p> <p><td></p> <p style="padding-left: 40px;"></p> <p></td></p> <p></tr></p> <p><tr></p> <p><td></p> <p style="padding-left: 40px;"></p> <p></td></p> <p></tr></p> <p></table></p> <p></body></p> <p></html></p>

CSS

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.navbar ul {  
    list-style-type: none;  
    background-color: #339ae8;  
    padding: 0px;  
    margin: 0px;  
    overflow: hidden;  
}  
  
.navbar a {  
    color: white;  
    text-decoration: none;  
    padding: 15px;  
    display: block;  
    text-align: center;  
}  
  
.navbar a:hover{  
    background-color:#e88833  
}  
  
.navbar li{  
    float: left;  
}  
  
  
  
h1{  
    color:#f07524 ;  
}  
h2{  
    color:white;  
}  
h3{  
    color:#e88833;  
}
```

PROCESS

Class 1 : I looked for a problem. Once I found it (water pollution) I investigated what it was, which where there causes , consequences and solutions

Class 2: After I did all the research on class one I realized that the adults were the group of people more involved in this problem so I decided that they would be my target audience. I looked for more information about them and found some inspiration

Class 3: I finish looking for inspiration and started creating the designs

Class 4: I finished the designs, looked for all the images I would use and saved them in propiet folders . In addition I looked for tutorials of how to create a navigation bar

At home: Like I was running out of time I downloaded sublime text on my one laptop and created the three html and a css for the three