



# TIRO EN BRAILLE

## BRAILLE SHOT (TIRO EN BRAILLE)

UNIVERSIDAD DE GUANAJUATO  
CAMPUS GUANAJUATO  
LAW, POLITICS, AND GOVERNMENT  
DIVISION.

Resulting from the “Sport as an auxiliary for the fulfillment of the Sustainable Development Goals (SDG): a proposal for the city of Guanajuato”.

Academic term: August–December 2019

Irma Nallely Baltazar Eliserio  
José Pablo Fuentes Montalvo  
Axel Adrián Jiménez Rodríguez  
María Fernanda Lara Hernández  
Dulce María Rivera Rangel



**TIRO  
EN  
BRAILLE**

# **BRAILLE SHOT (TIRO EN BRAILLE)**



**TIRO EN BRAILLE**

## Contact information

### Project leader

Dr. Daniel Añorve Añorve

Professor of the Department of Political and Government Studies (Universidad de Guanajuato)

Telephone: +52(473) 120 3637

Email: [danorve@gmail.com](mailto:danorve@gmail.com) and [danorve@ugto.mx](mailto:danorve@ugto.mx)



### Academic Team



### Team leader (student) for the winning proposal

Irma Nallely Baltazar Eliserio

Law student at Universidad de Guanajuato.

Teléfono: 4621065003

Correo: [miinbe15@gmail.com](mailto:miinbe15@gmail.com)



### Academic supervisor of the winning team

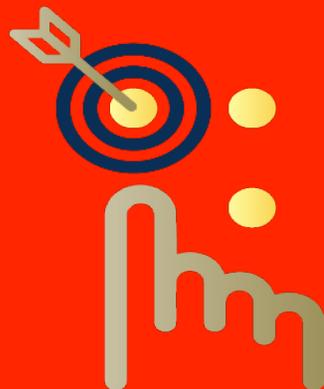
Dr. Francisco Miguel Mora Sifuentes

Professor of the Department of Law (Universidad de Guanajuato)

Email: [fm.mora@ugto.mx](mailto:fm.mora@ugto.mx)



# BRAILLE SHOT: UNDERSTANDING THE GAME



Braille Shot (Tiro en Braille) is inspired in two games:

<p>1) The preColumbian “Ball Game” (Juego de Pelota in Spanish)</p>   	<p>2) Basketball.</p>   
---	--

Its design was inspired in the 2030 Agenda and the resulting 17 Sustainable Development Goals (SDG).





Braille Shot also attempts to honor the Mexican National Development Plan (201-2024), as well as bearing in mind the academic regulations set by Universidad de Guanajuato.

The “end game” is the inclusion of persons with vision impairment. Additionally, it was designed to foster the participation of any person who wants to take part in this sporting activity, regardless of their sexual orientation, their religious beliefs, their skills, their ethnic group and/or their nationality.



Braille Shot aims at transcending the dominant formats in modern sport, i.e., women and men's distinctive tournaments, as well as a separate para-sport.



Although Braille Shot is open to any person, the game is meant to be played by university students all over Mexico and hopefully in other social locations that deem our methodology appropriate for the local realities and/or needs.

## The Rules



Braille Shot requires the simultaneous participation of two teams. Each team is composed of 8-10 players (at least half of them must be women). Five players will be simultaneously on the field. There will be a single referee known as the “mol” (a respected person), who will be in charge of counting the points. Four of the five players will be within the “live” section of the court and the fifth player will be assisting her/his fellow teammates from the sidelines. Players can freely come and come out, as long as four players are on the “live” section of the court and one player is assisting from the sidelines. The four players on the “live” section of the court will wear blindfolds at all times. The only player that will not be blindfolded is the player assisting from the sidelines. As a result of the perils that being blindfolded pose, the players on the “live” section of the will mandatorily wear both, knee and elbow pads.

All inputs for playing Braille Shot (balls, court signaling, and goals) MUST be made using recycled materials. There is an explicit prohibition of the use of fossil fuels. The ball, made with a mix of rags and other recycled and/or reused materials has sleighbells inside it. The purpose is that such sleighbells will function as an auditive device assisting the players to track (locate) the ball. The sleighbells are a key component among the game’s inputs as the senses that are activated are fundamentally two: hearing and touch. Balls cannot fly, they must be roll on the surface in order to be valid. One of the reasons behind this regulation is to avoid hurting a player, since ALL players within the ‘live’ court are blindfolded. Shall the ball is thrown through an air pass or bouncing, the violating team will lose the ball’s possession and the other team will take control. Players who are not in control of the ball at any given time must remain silent. The ball may be stopped and grabbed using any part of the body.

The way to score points is by making shots inside either one of the two baskets. These baskets are located in two corners of the rectangular court. If the shot that goes inside the basket is made from outside the shooting area, the point-value is five. If the shot falls inside the basket, thrown within the shooting area, it is worth one point. Only one player may go inside the shooting area at a time.

Regarding the court, it is divided into three sections: two shooting areas for each team and a common (neutral) area in which they will dispute the ball’s possession. It must be noted that all players within the ‘live’ court must remain silent at all times, as the only qualified players to talk is the player acting from the sidelines.

The match (game) has a 20 minute total duration. There are two ten minute halves with a five minute break between the two halves.

UNIVERSIDAD DE  
GUANAJUATO



**THE GLOBAL GOALS**  
For Sustainable Development



**TIRO  
EN  
BRAILLE**

# MATERIALS

The inventory of materials needed for the game includes:

Braille Shot was designed bearing in mind the SDG. SDG 12 calls for a responsible and thoughtful production and consumption. It calls for the considerable reduction by 2030 of waste through prevention, reduction, recycling, and reuse. The materials have been carefully selected bearing in mind the spirit and letter of SDG 12.



- 3 balls: made from recycled newspapers, covered by a paste layer made from water and flour. The filling of the ball requires three sleighbells.



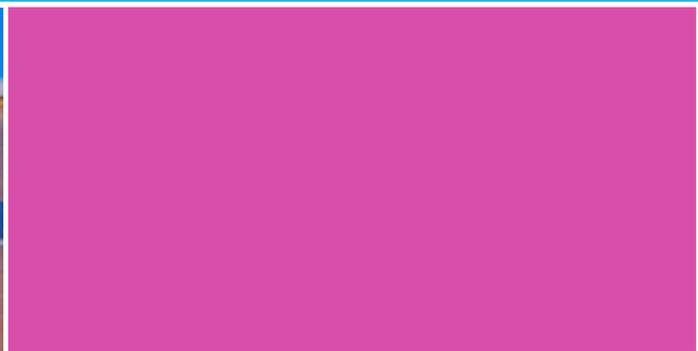
- 4 baskets: the baskets are made from wood and they may be painted (preferably) using the names and brands of the sponsors, as well as logos of the SDG.



- A whistle: To be used by the referee.



- Blindfold: preferably made by indian knitters.



UNIVERSIDAD DE  
GUANAJUATO



# THE RULES BOOK

UNIVERSIDAD DE  
GUANAJUATO



UNIVERSIDAD DE  
GUANAJUATO



# Braille Shot's rulesbook





## **Rule 1**

1.1. Braille Shot requires two teams to play each match. Each team shall have a minimum of eight players and a maximum of 10, so that changes can be made. Each team must simultaneously field five persons, three women and two men. Four of the players must be within the 'live' field and one assisting from the sidelines.

1.2 The change of players is unlimited and players may go in and out of the field without restrictions other than the limit of 5 players fielded at a time.

## **Rule 2**

### **On the equipment.**

2.1. Each of the players within the 'live' field must wear a blindfold. The only player that is not required to use the blindfold is the one assisting from the sidelines.



2.2. Each palyers must wear during the entire match the following set of protections: knee pads and elbow pads.

2.3. It is strongly desirable that the shirts of each team are of a different color and that they have a particular knitting design.

2.4. The ball shall have at least three sleighbells

### **Rule 3**

#### **The referee.**

3.1. The referee, known as 'mol' (person of high respect) will be the responsible of keeping the point count. Shot that go inside the basket from outside the shooting area are worth five points. Shots scored from inside the shooting area are worth one point. The five point value is not awarded if the shooting player steps in the dividing line between the shooting area and the general area. In that scenario only one point will be awarded.

### **Rule 4**

#### **Playing field (the court).**

4.1. The court is divided into three sections: two shooting areas (one area protected for each team). This shooting area will be one meter (lenght) and five meters (width). The general playing area will be 8 meters long (lenght) and five meters (width).



## Rule 5

### Faults and sanctions

5.1. It is prohibited to talk inside the 'live' field. The only player of each team that may talk is the player assisting from the sidelines.

5.2. Any players with two faults will get a yellow card (warning). A player with four faults will receive a red card (expelled).

## Rule 6

### Passes and shots

6.1. All passes must be made by rolling the ball. Otherwise, the pass will not count and the ball possession will pass to the opposite team.

6.2. A player that is located within the shooting area may not be blocked or stopped from attempting her/his shot.



6.3. In order to obtain points, the shots must remain inside the basket (shots will not count if they bounce off).

6.4. Shots made from the shooting area will count one point.

6.5. Shots made from the general playing area will count five points.

## Rule 7

### Length of the match

7.1. The match will last 20 minutes, divided into two ten-minute halves. There will be a five minute break between sets.

7.2. In case of a draw after the two regular sets, there will be a third set, with a five minute duration.

7.3 Shall the match be tied after the third set, each team will take five free shots. If the match is still tied, the winner will be decided by sudden death.

## Rule 8

### On the tournament and the point system



8.1 The tournament will be scheduled at the beginning of the academic term, making sure teams have 6-8 weeks to train and prepare for the tournament.

8.2 Winners will take 3 points. The losing team will be awarded one point.

8.3 The tournament will be played using a round-robin format. The top four teams will qualify for the playoffs. Team ranked number 1 will play team ranked number 4, and teams ranked 2 and 3 will play the other semifinal. The winners of the semifinals will play the championship match.

*Any situation not defined by this rulesbook will be decided by the contending teams in each match, either before or after each match.*

This rulesbook has been designed bearing in mind the follow SDG and some specific objectives.

### **Goal 3. Ensure healthy lives and promote well-being for all**

3.5 Strengthen the prevention and treatment of substance abuse, including narcotic drug abuse and harmful use of alcohol.

### **Goal 5. Achieve gender equality and empower all women and girls**

5.1 End all forms of discrimination against all women and girls everywhere.

5.c Adopt and strengthen sound policies and enforceable legislation for the promotion of gender equality and the empowerment of all women and girls at all levels.

### **Goal 12. Ensure sustainable consumption and production patterns impacts on human health and the environment.**



12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse.

**Goal 16. Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels.**

16.7 Ensure responsive, inclusive, participatory and representative decision-making at all levels.

16.a Strengthen relevant national institutions, including through international cooperation, for building capacity at all levels, in particular in developing countries, to prevent violence and combat terrorism and crime.

**Goal 17. Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development.**

17.16 Enhance the Global Partnership for Sustainable Development, complemented by multi-stakeholder partnerships that mobilize and share knowledge, expertise, technology and financial resources, to support the achievement of the Sustainable Development Goals in all countries, in particular developing countries.