

# PLAY WITH TRÓCAIRE

#### **GAME INSTRUCTIONS**

#### Aim of the Game

You are a small farmer in rural Africa. You must purchase, plant, grow,

harvest and sell your crops at the market before the time runs out and the season is over.

#### You Need

- Game board
- 3–6 players
- Crop Cards
- Deck of 36 Chance Cards (four sets)
- Deck of 48 Question Cards
- Dice
- Counters (one per player)
- Timer

### **Set Up the Game**

- Open the board and place it on a flat surface.
- Place the Question Cards on the board where indicated. Split the Chance Cards into four groups according to colour and place them on the board where indicated.
- Each player will need some paper, a pencil/pen and something to use as a counter on the board.
- Mix the Crop Cards and give six to each player.
   There are six different Crop Cards. Take some time to read the text on each card.
- Each player rolls the dice. The player who rolls the highest number goes first.
- The game will last for **thirty minutes**. Display a timer on the board if possible, and encourage players to keep an eye on the time.

#### **Begin the Game**

Start the timer. Each player places their counter on START/FINISH. Use the counters to move around the board. Take turns in a clockwise direction. Players move along the purple squares, then through each season in turn, beginning with PLANT.



#### **Action Squares**

There are four action squares on the board.

- Players must stop on the **Question Square**, no matter what number they have rolled, and choose a Question

  Card. If the question is answered correctly, the player can roll the dice again. If the question is answered incorrectly, the player must wait until their next turn and answer another question. After two unsuccessful answers the player can roll the dice on their next turn.
- If a player lands on a **Covid-19 Square**, they roll the dice. An even number means they have been affected by the virus and must rest (miss a turn). An odd number means they are unaffected by the virus and can continue their journey and roll as normal on their next turn.
- If a player lands on a Chance Square, they must pick a Chance Card from the corresponding deck, read it aloud and follow the instructions.
- If a player lands on a Climate
  Square, then all players are affected
  and must hand back two Crop Cards
  at random. Place these cards at the
  bottom of the Crop Cards deck.



#### **Finish the Game**

At the end of the thirty minutes, all players must sell the crops they have left, under the following conditions:

- All four zones completed: Sell the crops for double their value (credits x 2)
- Three zones completed (player is in Market Zone):
   Sell the crops for their full value
- Two zones completed (player is in Harvest Zone):
   Sell the crops for half of their value (÷ 2)

The person who sells their crops for the most credits is the winner. Good luck!

## **Q** QUESTION CARD ~

- **Q.** What are the three broad aims of the SDGs?
- **A.** End extreme poverty; reduce inequality; protect the planet

## **QUESTION CARD**

- **Q.** Can you name three of the five Ps associated with the SDGs?
- **A.** People; planet; prosperity; peace; partnership

## **QUESTION CARD**

- **Q.** Which agreement protects the human rights of people in countries that belong to the Council of Europe?
- **A.** European Convention on Human Rights (ECHR)

## **QUESTION CARD**

- **Q.** What set of goals preceded (came before) the SDGs?
- **A.** The Millennium Development Goals (MDGs)

# **QUESTION CARD**

- **Q.** What year should the SDGs be achieved by?
- **A.** 2030

# **Q** QUESTION CARD

- **Q.** What phrase associated with the SDGs begins, 'Leave ...'?
- A. Leave no one behind

# **Q** QUESTION CARD

- **Q.** When were the SDGs launched?
- **A.** 2015

# **Q** QUESTION CARD

- **Q.** How many SDGs are there?
- A. Seventeen

# **QUESTION CARD**

- **Q.** In relation to what people's lives are like in the countries where they live, what do the letters HDI stand for?
- **A.** Human Development Index

## **Q** QUESTION CARD

- **Q.** In relation to the SDGs, what does the word 'universality' mean?
- **A.** The goals apply to everyone on the planet

## **QUESTION CARD**

- **Q.** How many targets are associated with the seventeen SDGs?
  - a) 17
  - b) 50
  - c) 169
  - d) 500
- **A.** c) 169

## **QUESTION CARD**

- Q. Which SDG is being described here: 'Conserve and sustainably use the oceans, seas and marine resources for sustainable development.'
- **A.** SDG 14: Life Below Water

## **Q** QUESTION CARD

- **Q.** What is extreme poverty?
  - a) Living on less than (US) \$5 per day
  - b) Living on less than (US) \$10 per day
  - c) Living on less than (US) \$1.90 per day
- **A.** c) Living on less than (US) \$1.90 per day

# **Q** QUESTION CARD

- **Q.** To what is the following definition from the UNCHR referring?
  - 'Someone who is unable or unwilling to return to their country of origin owing to a well-founded fear of being persecuted for reasons of race, religion, nationality, membership of a particular social group, or political opinion.'
- A. A refugee

## **Q** QUESTION CARD

- **Q.** Education is a human right. True or false?
- A. True

## **Q** QUESTION CARD

- **Q.** How many children around the world are not enrolled in school?
  - a) None, all children go to school
  - b) One in five children do not go to school
  - c) Four in five children do not go to school
- **A.** b) One in five children do not go to school

## **QUESTION CARD**

- **Q.** How many hours of faceto-face learning have been lost so far by children worldwide due to the Covid-19 pandemic?
  - a) 1.5 million
  - b) 1.5 billion
  - c) 15 billion
  - d) 1.5 trillion
- A. d) 1.5 trillion

# **Q** QUESTION CARD

- **Q.** Africa is the most populated continent in the world. True or false?
- A. False. Asia is the most populated continent, with approximately 4.6 billion, compared to approximately 1.3 billion in Africa

## **QUESTION CARD**

- **Q.** Trócaire works with local partners to ensure communities have access to land and water. Why is this important?
  - a) To grow nutritious and sustainable crops
  - b) To earn an income
  - To have a place to call home
  - d) All of the above
- A. d) All of the above

## **QUESTION CARD**

- **Q.** Women grow 70% of Africa's food. True or false?
- A. True

## **QUESTION CARD**

- **Q.** Mosquito nets are used to protect people from getting bitten by mosquitoes. What disease is spread through mosquito bites?
  - a) Typhoid
  - b) Cholera
  - Covid-19
  - d) Malaria
- A. d) Malaria

# **QUESTION CARD**

- Q. Can you name three countries that share a border with Zimbabwe?
- A. Botswana, Zambia, Mozambique, South Africa

# **QUESTION CARD**

- **Q.** What is the capital of Zimbabwe?
- A. Harare

# **QUESTION CARD**

- **Q.** To the nearest billion, how many people live in the world today?
- A. 7.8 billion (accept 7 or 8 billion)

## **Q** QUESTION CARD

- **Q.** To the nearest ten, how many countries are in the continent of Africa?
- **A.** 54 (accept 50)

## **QUESTION CARD**

- **Q.** Which of the following diseases can be caused by a lack of access to safe water and sanitation?
  - a) Typhoid and malaria
  - b) Cholera and typhoid
  - c) Obesity and tuberculosis
  - d) Malaria and cholera
- A. b) Cholera and typhoid

## **QUESTION CARD**

- **Q.** What is the official currency in Zimbabwe?
- A. The Zimbabwean Dollar (however, the US dollar is widely used also)

## **QUESTION CARD**

- Q. In Zimbabwe, 20% of the rural population have access; in Ireland, 100% have access. What is being referred to here?
- A. Electricity

# **QUESTION CARD**

- **Q.** Which country has a higher percentage of seats in their national parliament held by women, Zimbabwe or Ireland?
- A. Zimbabwe, with 32%, compared to 23% in Ireland

## **Q** QUESTION CARD

- **Q.** According to the HSE/ NHS, children need approximately how many calories per day?
- **A.** 1,800

## **QUESTION CARD**

- Q. Name two ways in which not having enough food can affect how a child's body grows?
- A. Stunting and wasting

## **QUESTION CARD**

- Q. In relation to worldwide food security, what do the letters GHI stand for?
  - a) Global Hunger Index
  - b) General Hunger Indicator
  - c) Grand Hunger Investigation
- A. a) Global Hunger Index

## **Q** QUESTION CARD

- **Q.** 'Trócaire' is the Irish word for which of the following?
  - a) Charity
  - b) Care
  - c) Compassion
- A. c) Compassion

# **QUESTION CARD**

- **Q.** Maize is a popular crop grown in many parts of Africa. What is another name for maize?
- A. Corn

## **Q** QUESTION CARD

- **Q.** How many official languages are there in Zimbabwe?
  - a) 1
  - b) 10
  - c) 16
  - d) 12
- **A.** c) 16

# **QUESTION CARD**

- **Q.** What three global issues beginning with the letter C are combining to wipe out progress made against hunger in recent years?
- **A.** Covid-19, conflict, climate change

# **QUESTION CARD**

- **Q.** What is considered the primary cause of hunger around the world?
- A. Conflict

# **Q** QUESTION CARD

- **Q.** Every ten seconds, a child somewhere dies from malnutrition. True or false?
- A. True

# **QUESTION CARD**

- **Q.** Around the world, one in twenty people go to bed hungry every night. True or false?
- A. False. It's one in nine

# **Q** QUESTION CARD

- **Q.** Where is Zimbabwe ranked on the Human Development Index (HDI)?
  - a) 50
  - b) 78
  - c) 130
  - d) 150
- **A.** d) 150 (out of 189 countries)

## **QUESTION CARD**

- **Q.** Trócaire was set up in what year?
  - a) 1953
  - b) 1973
  - c) 1993
  - d) 2013
- **A.** b) 1973

## **Q** QUESTION CARD

- **Q.** Name three ways that students and staff in schools can minimise the risks of Covid-19.
- **A.** Accept any of the following: masks; handwashing; cleaning surfaces; adequate ventilation; keep to smaller groups; keep informed; get vaccinated

## **Q** QUESTION CARD

- **Q.** What is the population of Zimbabwe to the nearest million?
  - a) 5 million
  - b) 9 million
  - c) 11 million
  - d) 15 million
- A. d) 15 million

## **Q** QUESTION CARD

- **Q.** The white triangle on the flag of Zimbabwe represents which of the following:
  - a) Agriculture
  - b) Peace
  - c) Gold
  - d) Friends
- A. b) Peace

## **QUESTION CARD**

- **Q.** What is the longest river in Zimbabwe?
  - a) The Zambezi
  - b) The Amazon
  - c) The Congo
  - d) The Nile
- **A.** a) The Zambezi

# **Q** QUESTION CARD

- **Q.** If current trends continue, how many hungry people will there be in the world by 2030?
  - a) 240 million
  - b) 440 million
  - c) 840 million
  - d) 990 million
- **A.** c) 840 million

## **O** QUESTION CARD

- **Q.** Where did the recent global meeting on climate change, called COP 26, take place?
  - a) Paris
  - b) Glasgow
  - c) Cape Town
  - d) Tokyo
- A. b) Glasgow

## **Q** QUESTION CARD

- Q. Which famous waterfall, a popular tourist destination, can be found on the border of Zimbabwe and Zambia?
- A. Victoria Falls

#### Maize (corn)

Sale price: 50 credits

- One of the most commonly grown crops in Africa
- Widely used to make many foods eaten all over Africa
- Sold as a roadside snack

## **CROP CARD**

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- Known as a 'survivor crop'
- Grows well in high temperatures

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#### **Pigeon Pea**

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- Improves soil and is drought
  - resistant
- High in protein and iron

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## **CROP CARD**

#### **Pumpkin**

Sale price: 200 credits

- End-of-season crop that lengthens the harvesting and eating season
- Stores very well
- High in vitamins

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- Stores very well
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#### **Sweet Potato**

Sale price: 100 credits

- Grown underground
- Nutritious, high in fibre and very filling
- High in vitamin A

## **CROP CARD**

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### **CROP CARD**

#### **Climbing Beans**

Sale price: 150 credits

- An essential source of nutrition for rural populations
- Can grow in harsh conditions

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## **CROP CARD**



Sale price: 150 credits

- An essential source of nutrition for rural populations
- Can grow in harsh conditions

## **CROP CARD**



Sale price: 300 credits

- An essential source of nutrition for rural populations
- Can grow in harsh conditions





#### **Climbing Beans**

Sale price: 150 credits

- An essential source of nutrition for rural populations
- Can grow in harsh conditions

## **CROP CARD**

### **Honey**

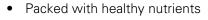
Sale price: 250 credits

- Packed with healthy nutrients
- Improves pollination (the process that allows plants to reproduce)
- More bees is good for the environment

## **CROP CARD**

### **Honey**

Sale price: 250 credits



- Improves pollination (the process that allows plants to reproduce)
- More bees is good for the environment

## **CROP CARD**

### **Honey**

Sale price: 250 credits



- Improves pollination (the process that allows plants to reproduce)
- More bees is good for the environment



# **CROP CARD**

#### **Ground Nuts**

Sale price: 300 credits

- Grows well in hot climates
- Can be exported (sold to other countries)

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# PLANT CHANCE CARD



The wider variety of crops you plant, the better you can cope with the impacts of climate change.

If you have three or more types of crop, roll again.

If you have less than three types of crop, miss a turn.

# PLANT CHANCE CARD

You attended a community garden

crop to plant this season, which will

family, and a wider variety to sell.

sharing event. You now have one extra

help to provide nutritious food for your

Take an extra card from the top of







Your mobile phone is out of data. This reduces your ability to access information sharing through your phone.

Move back one space.

Q

# PLANT CHANCE CARD



You looked for information on how to best prepare your land for planting.

Move forward three spaces.

# PLANT CHANCE CARD

the Crop Cards deck.



You saved seeds from last year – well done! Now you have more to plant this season.

Take an extra card from the top of the Crop Cards deck.





Your bees are already pollinating local plants – great work!

Move forward one space for every honey card in your hand.

# PLANT CHANCE CARD



You decide to make changes to your annual farm plan. Your careful planning has paid off and planting has been a success.

Move forward three spaces.

# PLANT CHANCE CARD



You were delayed planting your seeds this year.

Go back two spaces.

# PLANT CHANCE CARD



You did not save seeds from previous harvests.

Move back two spaces.

# GROW CHANCE CARD



You receive some organic manure from a friendly neighbour.

Roll again.

# GROW CHANCE CARD



The rains have not come and local water sources have all dried up.

Move back one space in search of water.

# GROW CHANCE CARD



Congratulations! You have developed a way to collect extra water on your farm.

Move forward two spaces.

# CHANCE CARD



An illegal dam has been built upstream from your farm. You have less water for crops. As a result, your crops may fail.

Miss one turn.



Your local water source becomes polluted. A local organisation has built a new well where you can get clean water. Thanks to the new well, you saved most of your crops; however, some of them were lost due to the pollution.

Give back one of your Crop Cards at random.



A local elder points out the flowering Acacia trees and says it is a sign of drought. You prepare your farm in advance.

Move forward three spaces.

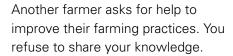
# GROW



Excellent forward planning! You have stored a lot of last year's harvest, which means you have enough food for you and your family.

Move forward two spaces.





Move back two spaces.





Some of your crops have caught a disease and died.

Give back one of your Crop Cards at random.

# CHANCE CARD



You have saved enough to attend a women's farming course, which helps with the harvest.

Move forward two spaces.

# CHANCE CARD



You attend your local community garden information-sharing evening. You apply the new harvesting skills you learned and share your knowledge to help other farmers.

Move forward three spaces.

# HANCE CARD



This year was unusually hot because of the effects of climate change. Cassava and pigeon peas grow well in high temperatures.

Move back one space for every **Crop Card in your hand that is NOT** cassava or pigeon peas.



Good news! Your bees have helped your crops to grow and make seeds for the next season.

Move forward one space for every honey card in your hand.



Good job! You remembered to keep seeds from your plants to grow for the next season.

Take an extra card from the top of the Crop Cards deck.



You started harvesting too late and some of your crops rotted.

Give back one of your Crop Cards at random.





A relative is unwell. You must stay home and care for them.

Miss your next turn.



E CARD

You have already started

Well done. You have already started making decisions on what food to store so that you and your family have enough to eat next year.

Move forward one space.

# CHANCE CARD



Your tools for harvesting have broken. You need to buy new ones.

Move back three spaces.

<u>~</u>

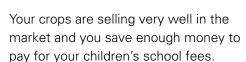
# MARKET CHANCE CARD



The market is closed today due to Covid-19 safety restrictions and you cannot sell your crops.

Move back three spaces.

# MARKET CHANCE CARD



Move forward two spaces.





You are unable to attend the market because you have malaria.

Move back one space.

# CHANCE CARD



Heavy unseasonal rains make the road really muddy and hard to pass. You are delayed going to the market.

Move back three spaces.

# MARKET CHANCE CARD



A local partner organisation has given you a bike. Now you can transport more produce to the market.

Move forward three spaces.

# CHANCE CARD



Your neighbour shared with you a new way to store crops that keeps them fresher for longer.

Move forward two spaces.

# CHANCE CARD



Pests have gotten into your grain storage and eaten your crop.

Give back one of your crops at random.

# MARKET CHANCE CARD



CHANCE CARD



Grain disease has increased because of climate change. Some of your crops have been damaged.

Move back two spaces.

Great business planning! You have kept your crops until there was a better market price.

Move forward two spaces.

# GAME DEBRIEF

It is important to remember that children in your classroom or setting may have varied understandings and in some cases may have personal negative experiences in relation to food and food security. Therefore, educators must be mindful and prepare for these situations in advance when using this game with a particular class or group.

Landing on a Covid-19 Square may be upsetting for some players, especially if they or a family member have contracted the virus. Check in with students after playing the game to ensure that they are okay.

Use the following activities as a tool to debrief the experience of playing Harvest for the Future.

#### **Activity One**

Explore the following questions:

- At the beginning of the game, would you prefer to choose your Crop Cards yourself? Why?
   Why not?
- Why do you think the game has a time limit?
   What might this represent?
- Why do you think some of the Crop Cards are worth more than others?
- Do you think any of the Chance Cards played during the game were unfair? Why? Why not?
- Did any players land on the Climate Square?
   If so, what effect did it have on all of the players? What do you think the Climate Square represents?
- Is it possible for all players to get to the last zone (market) before the time limit? Explain your answer
- Is there anything in the game that you did not like? Explain your answer.
- In what way did Covid-19 impact the game?
- Does playing the game help you to better understand how farmers' lives are affected by climate change?

#### **Extension Activity**

Depending on when you are using this game, and if appropriate, encourage your students to investigate the current Covid-19 situation in your area. Some ideas for research include number of cases, pressure on healthcare services and vaccinations.

Then ask the students: What circumstances around the world might make the impact of Covid-19 more severe? Examples could include places without free access to healthcare, countries where there is limited access to vaccines and countries that are most affected by climate change.

#### **Activity Two**

If you were a farmer ...

- Would you plant different types of crops or all the same type? Explain your answer.
- Would you plan what crops to plant? What would inform your decision?
- Would you keep food to feed your family or would you sell all your produce? Explain your answer.
- Would you keep seeds to replant the following year? Why? Why not?
- Do you think that all types of crops need to be planted and harvested at the same time of the year? Research two types of crops that must be planted at different times of the year.

## **Activity Three**

Ask the students to reflect on the game and the debrief questions, and to record any thoughts they may have.

1) Through playing Harvest for the Future, I learned
2) After playing Harvest for the Future, I would like to know
3) Draw an emoji that reflects a feeling you had during the game. Label your emoji with some thoughts about how you felt when playing Harvest for the Future.