

Titanium Chef: Teacher Guide

About Titanium Chef

Titanium Chef is a web-based game designed to engage grade 6–8 students in learning how to make healthy food choices. Students play the role of a chefbot and compete to become the **Titanium Chef** (the galaxy's greatest chefbot). Along the way, students learn about Canada's Food Guide and the four food groups.

Titanium Chef can be played in either French or English. Its purpose is to both educate and entertain. The role-playing game format and immersive story create cognitive and emotional experiences, both of which are necessary for information retention. But **Titanium Chef** goes beyond simply helping students retain information. It builds skills to create behaviour change. Players learn to apply their new knowledge from this experience to making healthy food choices in the real world.

In brief, here's what happens in the game cycles:

- Cycle 1 takes place in a remote star system on Folassa, a backwater planet comprised of desert and salt mines where you, a lowly Bot, first become a ChefBot and start your quest to become **Titanium Chef**. You unlock your first group of ingredients and meals by classifying foods into food groups and figuring out serving sizes for the ingredients in meals. You serve some simple meals to Flossians and meet the challenge of competing in the Rust Stadium.
- Cycle 2 takes you to Xaraxx, a dark and dangerous planet where Sargawa has lured you. Your inventory of foods, tools and meals grows. You receive your first Invaluable Clue about Rogulus' evil plan. Your only hope of escaping is by competing successfully in the Steel Stadium.

An Adventure Awaits

A series of seemingly unrelated events leaves you, a lowly Bot, embroiled at the centre of a diabolical plot to destroy the galaxy. Visit new worlds, collect items, and meet aliens from all walks of life as you compete to become the galaxy's greatest ChefBot.

One of the deepest Role Playing Games ever created in Flash™, **Titanium Chef** features spectacular visuals that blend innovative, real-time 3D graphics with lush environments.

In this original point-and-click adventure, players manage inventory items, discover new locations, and interact with fun characters.

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- Cycle 3 takes place on Vestallia, the lost, legendary and lush ancient planet with many secrets. Inhabitants of Vestallia are vegetarians. You continue to increase your inventory of foods and meals and are able to serve more complex meals to the Vestallians you meet. You make contact with Grrr, discover your first RandoRoot Seed and compete in the Stone Stadium.
- Cycle 4 brings you to the MegaStation where you make contact with Professor Klunk and encounter Sargawa again. You have found out how Rogulus' evil plan works and must stop him. To compete successfully in the MegaStation Titanium you not only have to meet serving recommendations, but you also have to comply with many of the tips for the types of foods recommended for healthy eating. The increasingly complex puzzles of how to meet the needs of the characters you meet on this level really bring home the message that girls aged 9-13 need 6-6-3-1 servings from the four food groups, while boys this age need 6-6-3-2 servings. More details on what counts as a Food Guide Serving can be found at <http://www.healthcanada.gc.ca/foodguide>

Food Group	Number of Food Guide Servings Recommended for Girls Aged 9–13	Number of Food Guide Servings Recommended for Boys Aged 9–13
Vegetables & Fruit	6	6
Grain Products	6	6
Milk & Alternatives	3	3
Meat & Alternatives	1	2

About the Learning Outcomes

By playing [Titanium Chef](#), students in grades six to eight learn:

- to classify foods into the four food groups
- to estimate serving sizes
- their recommended number of Food Guide Servings in Canada's Food Guide
- to problem solve how to apply recommendations to meet the needs and preferences of different characters

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With additional classroom support (see Sizing Up Food Guide Servings, Check on Balance and Challenge Activities) students will:

- compare their own food intake with recommendations from Canada's Food Guide
- make a plan to improve their intake if necessary
- practice additional serving size estimation

Once students have a chance to play, you can assess if they met the learning outcomes through a quiz. Please email us at nutrition@bcdcf.ca for a copy of the assessment questions.

Creating a Titanium Chef Account

Signing up for an account allows students to save their game progress, see their ranks and display their scores on the leaderboards. The speediest and safest way to get your whole class signed up for Titanium Chef is for you to create a teacher account first. This will get you a class key and only takes a few moments. This process eliminates the need for students to provide any personal information such as their email, and also allows you to serve as the adult who gives permission to play for students who may be 14 or younger.

When students sign up, tell them to select the option that they are signing up at school. They will be asked if they have a class key from their teacher. Once they fill in the class key, they will be asked for a username and a password. They will also be asked to make up a secret question in case they forget their password. A good example is, "What is your dog's name?" Once this is complete, they are ready to play.

Follow-Up

If circumstances allow, encourage your students to play some more at home or when they have spare time during the school day. Extra exploration time will be rewarding both in terms of educational outcomes and the joy of discovering some of the 'Easter eggs' the developers have hidden, such as the chance to talk to a disappearing squid in a magical dream sequence and dancing Fooper Troopers.

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Frequently Asked Questions

How long will it take to play the entire game?

Titanium Chef is comprised of several cycles of exploration and gaming. While students can learn the main outcomes in a single 40-minute game of the first cycle, repetition and longer game play, allowing the player to go through all five cycles and fully explore **Titanium Chef**, will allow for a more sophisticated understanding of how to eat well by creating simple meals that meet their daily recommended servings from Canada's Food Guide.

Titanium Chef is a rich game-playing experience with many levels and side quests, providing as much as 10 hours of unique game-playing experience.

Is the game designed to be played in the classroom, at home or both?

The primary function of **Titanium Chef** is to be a classroom resource, where students can learn with the assistance of their teachers. However, the game can also be played at home where learning objectives can still be met.

Why do we need to create an account?

Although you can play as a 'guest', when you create an account you will be able to save your game play, see your rank and display your score on the leaderboards. You can create several sub-accounts and have more than one game on the go under your account.

How should I prepare to teach Titanium Chef?

Your best preparation is to play the game yourself. In addition we suggest visiting titaniumchef.ca and clicking on 'Titanium Universe' to learn about the story, characters and places that make up the **Titanium Chef** experience.

What are the computer requirements to play Titanium Chef?

You will need a computer with a high-speed internet connection, browser and Flash version 9 or later. Sound enhances the experience but is not essential.