

# QUIT IT!

*An interactive game answering questions, role-playing, and overcoming challenges related to quitting vaping and creating healthy habits*

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# Yes, vaping is a problem

- Vaping is linked to **lung disease, nicotine addiction, and impaired brain development for youth** (Glantz & Bareham, 2018).
- Vaping use has skyrocketed among teens, with **14.1% of high school students** reporting e-cigarette use in 2022 (CDC, 2023).
- Many adolescents **perceive vaping as harmless** due to widespread **misinformation and marketing strategies** that downplay risks (U.S. Department of Health and Human Services [USDHHS], 2016).
- Studies show that **youth often underestimate** the addictive nature of nicotine in e-cigarettes and the potential for long-term health effects (USDHHS, 2016).
- Furthermore, vaping devices are intentionally designed to **resemble everyday objects such as USB drives and pens**, making them easier to hide from authority figures (Truth Initiative, 2023).
- And lastly, nicotine exposure in **adolescence can harm brain development, affecting attention, learning, and memory** (USDHHS, 2016).



# So then who is this game for?

## Target Audience

This game is targeted towards **adolescents aged 12-18**, particularly high school students.

## Demographics

Middle and high school students, with a focus on communities **disproportionately targeted by tobacco companies**.

## Risk Factors

There are many risk factors contributing to vaping usage such as **peer pressure, social media influence, and misconceptions about vaping safety** (CDC, 2023; Truth Initiative, 2023).

## Why focus on youth?

Studies show that the earlier someone starts using nicotine, the **harder it is to quit later** (USDHHS, 2016).

## Disparities

Tobacco companies use flavored products and appealing marketing tactics to **disproportionately target youth and minority groups** (Truth Initiative, 2023).

# The Narrative of “Quit It!”

## Game Premise

Players navigate real-life situations related to vaping, choosing responses that earn “Healthy Choices” points.

## Core Messages

- Vaping is harmful and addictive.
- Peer pressure can be resisted with confidence.
- Healthy coping strategies exist for stress and social situations.

## Realistic Scenarios

*“Your best friend insists that ‘just one puff won’t hurt.’ How do you respond?”*

*“A social media influencer claims vaping is harmless. What would you say in a comment?”*



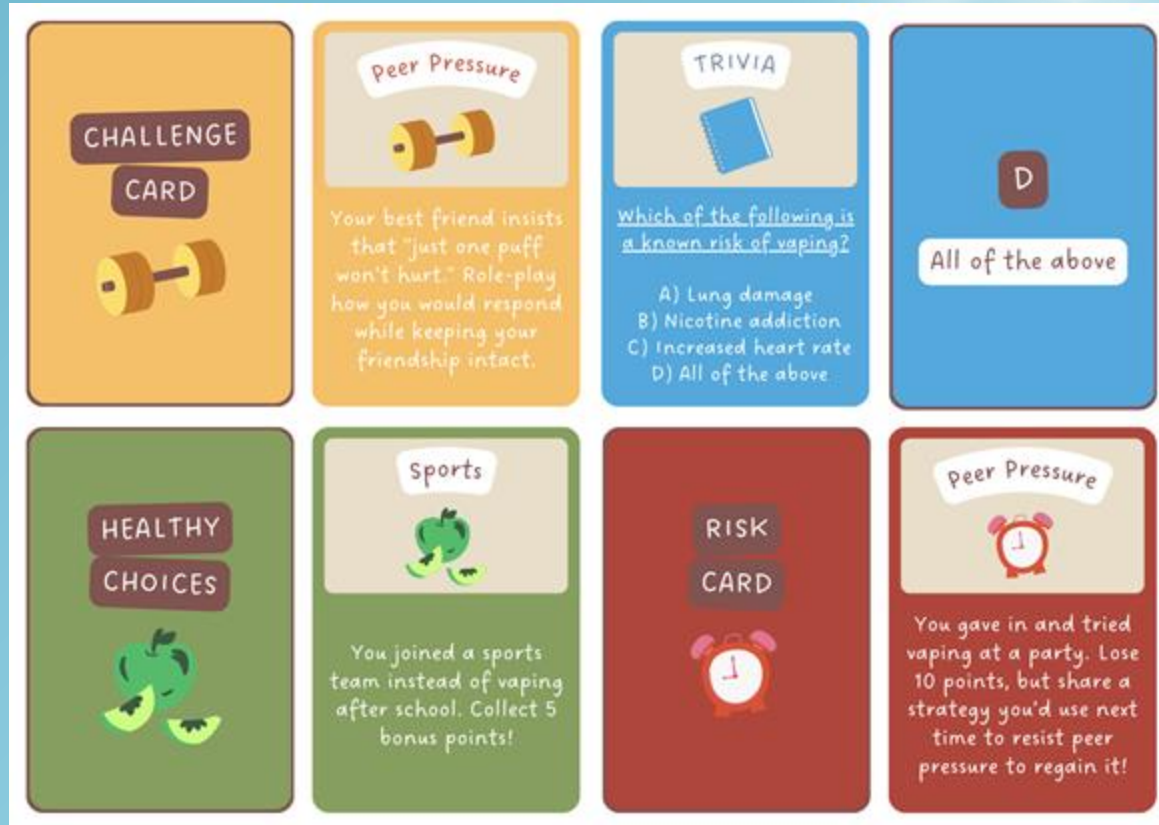
# Game Components

## Deck of Cards (60 cards total):

- **Challenge Cards (20):** Scenarios where players must perform or respond to situations. (+15 points)
- **Trivia Cards (15):** Questions about vaping, its health effects, and quitting strategies. (+10 points)
- **Healthy Choices Cards (10):** Rewards for making good decisions. (+5 points)
- **Risk Cards (5):** Simulate setbacks or risky scenarios. (-10 points)
- **Custom Cards (10):** 5 Blank challenge cards, 3 blank risk cards, and 2 blank healthy choices cards.

**Hourglass:** Players have 30 seconds to complete tasks when required.

**Notepad:** Track points for each player.



# Proposed Dissemination and Placement

<b>Where will this game be used?</b>	Middle and high school health classes, youth community centers and after-school programs, and can be used for public health campaigns on vaping prevention.
<b>Dissemination Strategy</b>	<b><u>Pilot Testing:</u></b> The game will be tested with youth focus groups in New York City schools to assess function, engagement, and learning outcomes.
	<b><u>School &amp; Government Partnerships:</u></b> Collaboration with New York government health agencies and schools to integrate the game into middle and high school health curriculums citywide.
	<b><u>Campaign &amp; Promotion:</u></b> After refinement, a multimedia campaign will promote the game via social media, New York City based youth influencers, and digital platforms.
	<b><u>Final Evaluation:</u></b> Surveys will measure effectiveness after full implementation, tracking changes in knowledge, attitudes, and behavior regarding vaping. Should this work in New York City, there can be a move towards nation-wide engagement.



# Epidemiologic, Social, Behavioral, and Theoretical Justifications

## Theoretical Justification

**The Stages of Change Model** describes the process of behavior change through five stages: precontemplation, contemplation, preparation, action, and maintenance (Prochaska & DiClemente, 1983). The game helps move players from **precontemplation** (unaware of risks) to **action** (avoiding vaping) and **maintenance** (keeping healthy habits).

## Social & Behavioral Influence

- Social Learning Theory (Bandura, 1977): **Youth learn behaviors through observation and peer influence**, making an interactive game an effective prevention tool.
- The game **builds self-efficacy**, helping players gain confidence in resisting vaping (Bandura, 1977).
- **Tobacco companies target youth** through flavors, sleek device designs, and even features like music players in vapes, reinforcing the need for early intervention (Truth Initiative, 2023).



# Why a card game?

## Why a card game?

- A card game offers a **dynamic and engaging format** for delivering health messages, increasing information retention through interactive learning (Hamari et al., 2016).
- This approach enables players to **encounter real-life scenarios and practice decision-making in a safe environment**, enhancing their ability to navigate social situations involving vaping (Cugelman, 2013).
- Moreover, the game **fosters peer discussion**, which supports the reinforcement of anti-vaping attitudes and strategies (Lister et al., 2014).
- The portability and replayability of card games also allow for **repeated engagement**, which strengthens knowledge and skills over time (Hamari et al., 2016).

## Effectiveness of Gamification in Public Health:

- Games **improve learning outcomes** and behavior change, especially for **adolescents** (Hamari et al., 2016).
- Gamification **increases motivation and engagement** in health interventions (Cugelman, 2013).
- Adolescents **prefer card games over board games** due to portability, fast-paced play, and ease of social interaction (Hamari et al., 2016). Production costs for card games are also **significantly cheaper than** for board games (EditionCards, n.d.).
- Card games also allow for **customization and replayability**, making them an ideal choice for peer-led learning.



# Why “Quit It!” Will Work

Targets early prevention

**Youth who avoid vaping early are less likely to smoke or use nicotine long-term.**

Addresses industry tactics

**Vape companies use flavors, sleek designs, and hidden features like music players to attract teens (Truth Initiative, 2023).**

Creates long-term impact

**Developing healthy habits while in school helps prevent chronic disease and ensures better health outcomes in adulthood (USDHHS, 2016).**

Gamification’s proven impact

**Studies show that interactive learning improves retention and behavior change (Cugelman, 2013).**

Empowers youth

**Encourages decision-making and critical thinking, reducing susceptibility to misinformation.**

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# Thank You!



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