

KNIGHTS DEFI SUMMARY AND NEW FEATURES



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OVERALL GOALS FOR KNIGHTS DEFI

What we want:

- Equitability for both heavy investors and casual investors.
- Engaged and pleasant community
- Increased utility and value of all tokens.
- Heavy user engagement in ecosystem daily, longevity
- Stay true to our mission of having integrity and honor, transparency

What we want don't want:

- Pump and Dumps / Cash Grabs / Ponzi
- Rug pulls
- Toxic community
- Fear, Uncertainty, Doubt Exploitation



TO START, SOME TERMS:

- Liquidity - The availability of liquid assets to a market or company. CAKE-LPs in our case. BNB and Token must both be freely available inside of the CAKE-LPs to promote buying and selling with low price impact. Locking liquidity means the pair can not be broken back into BNB and the token. We typically lock and burn liquidity when launching new tokens to prevent dumping liquidity and prevent people from selling and harvesting all the BNB. That is one form of rug pull.
- Reflection – The “RFI” mechanic. Internal reflection to a list of token holders based on holding %. This fee gets distributed frictionless inside of the contract’s memory to prevent gas fees. Great way to share rewards for strong hands and major holders at a low gas cost.
- Burn – The “SHIB” mechanic. Two different ways: Remove the tokens from supply entirely or send to a burn address. Most auditors recommend burning the tokens permanent to prevent any kind of reclaim. We currently only send to a dead address. This removes tokens permanently from circulation, raising rarity and improving value of circulating tokens over time.



OUR TOKENS



- Knight Token (KNIGHT)
 - Contract: 0x16c0e0936e1b38ff1f9b8a1e75d8ba29adf87d30
 - \$KNIGHT is a Pancake clone with migrator and emergency withdraw features removed. There is a MasterChef that mints tokens the same way CAKE works. Currently our community votes on changes to Reward/Block, Allocations, etc. The plan is to have a 10,000,000 TOTAL supply (including burn address), however that is not hardcoded into the contract.



- Knights of the Round Table Token (TABLE)
 - Contract: 0xf5a2f7418035ce76967f515f39d65719bb0453b6
 - \$TABLE is a reflect token with ultra limited supply (13). It disperses 2% of every transaction amongst holders. Ownership is renounced, liquidity was locked. This was our starting token.



- Legend Token (LEGEND)
 - Contract: 0xDc661984735b535210CB1f52f86cc58616024192
 - \$LEGEND has a 3% tax. 1% gets locked in liquidity, 1% is reflected to holders, and 1% is sent to a new contract that I'm calling "Battlefield" which isn't ready yet. The contract is time-locked until Battlefield is ready. Total supply is 155.



Battlefield Contract Flowchart – Exchanging Tokens (Initial Concept)



No ownership. A portion of new tokens (~30%) will sit on the contract for exchange. They will not be in an LP! LP will still be a CAKE-LP and will contain the remaining 66% of tokens with locked liquidity (Dev takes 4% of tokens.) Burns 85% of KNIGHT input in exchange for new limited supply tokens.



Sending Units to the Battlefield

Battlefield – Redesign

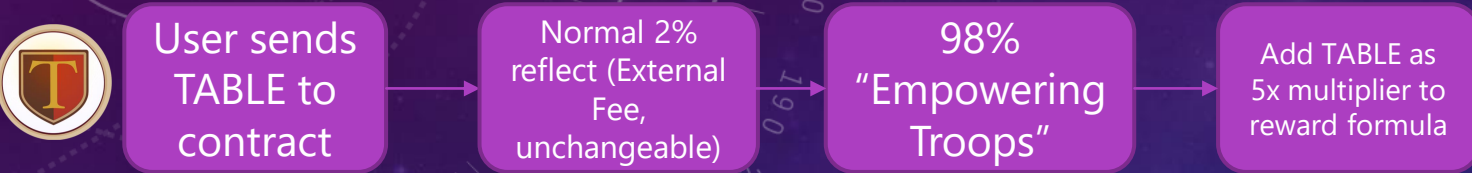
(updated 3/22/21)



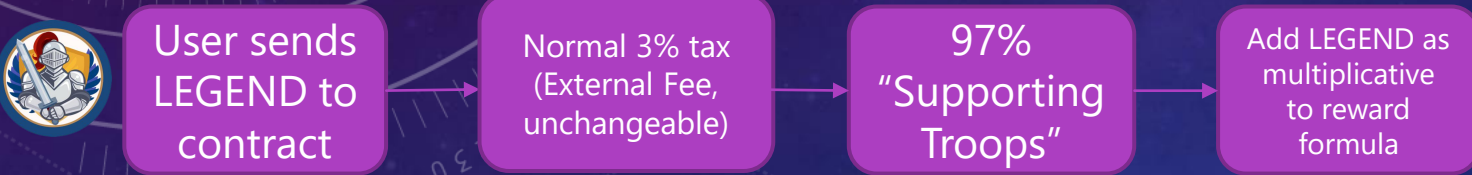
User Scenario 1



User Scenario 2



User Scenario 3



Can withdraw KNIGHT, TABLE, or LEGEND “Engaged in Battle”, “Empowering Troops” or “Supporting Troops” at any time. Standard txn fees apply for TABLE and LEGEND. I can’t change that.

Need ability to add new token rewards for stakers, codify extensibility.

Formulas designed for Logarithmic value gain for multipliers, not linear to improve equitability

$$\text{Formula 1 : } ((\text{KNIGHT}) * e^{(\log(((\text{TABLE} * 5) + 1) * (\text{LEGEND} + 1)))}) / 1000 = \text{Staking Amount}$$

$$\text{Formula 2: Total LEGEND per Day} * (\text{Staking Amount} / \text{Total Staked by all Users}) = \text{Legend Reward Accumulating}$$

15 LEGEND will be traded for KNIGHT to honor our previous Battlefield commitment. The remaining 35 and Battlefield tax rewards will be used for the Battlefield. A maximum of 2 LEGEND will be released per day and rewarded to stakers based on holdings.

EXAMPLE SCENARIO WITH 5 DIFFERENT TYPES OF INVESTOR



Scenario	Input	Normal Tax	Burn	To Battlefield	Staked	Army Power	Note: Does not include KNIGHT rewards						
Scenario 1													
KNIGHT	22000	0	2200	1100	18700		Initial Invested	\$16,800.00					
TABLE	0.5	0.01	0	0	0.5		Amount Withdrawable	\$15,870.00					
LEGEND	3	0.09	0	0.15	2.85		LEGEND/Day	\$/Day	APR (Determined by Price)	Days to Payback "Losses"			
						57862		0.21571705	\$388.29	843.61%	2.40		
Scenario 2													
KNIGHT	25000	0	3750	0	21250		Initial Invested	\$13,800.00					
TABLE	0.5	0.01	0	0	0.5		Amount Withdrawable	\$12,960.00					
LEGEND	1	0.03	0	0.05	0.95		LEGEND/Day	\$/Day	APR (Determined by Price)	Days to Payback "Losses"			
						48933		0.182428578	\$328.37	868.52%	2.56		
Scenario 3													
KNIGHT	10000	0	1500	500	8000		Initial Invested	\$3,240.00					
TABLE	0.05	0.001	0	0.0025	0.0475		Amount Withdrawable	\$2,778.00					
LEGEND	0.3	0.009	0	0.015	0.285		LEGEND/Day	\$/Day	APR (Determined by Price)	Days to Payback "Losses"			
						9785		0.036479751	\$65.66	739.73%	7.04		
Scenario 4													
KNIGHT	100000	0	15000	5000	80000		Initial Invested	\$39,400.00					
TABLE	1	0.02	0	0	1		Amount Withdrawable	\$35,130.00					
LEGEND	3	0.09	0	0.15	2.85		LEGEND/Day	\$/Day	APR (Determined by Price)	Days to Payback "Losses"			
						312823		1.166244767	\$2,099.24	1944.73%	2.03		
Scenario 5													
KNIGHT	60000	0	9000	3000	48000		Initial Invested	\$19,460.00					
TABLE	0.34	0.0068	0	0.017	0.323		Amount Withdrawable	\$16,687.00					
LEGEND	1.5	0.045	0	0.075	1.425		LEGEND/Day	\$/Day	APR (Determined by Price)	Days to Payback "Losses"			
						107059		0.399129854	\$718.43	1347.52%	3.86		

Whale investor still gets quicker payback and higher APR, but does not dominate the pool and prevent others from making good returns. Equitable payback for all! (updated 3/22/21)

UI Mockup



Your Army Power: **3394**
Total Army Power: **67880**
Percent of Army: 0.05%

Withdraw All

Your KNIGHT: 5000

Unstake KNIGHT +

Your TABLE: .01

Unstake TABLE +

Your LEGEND: .1

Unstake LEGEND +

Total LEGEND Rewarded per Day: 2
Your Expected LEGEND per Day: .1

Compound All **Withdraw All**

LEGEND Earned: 1.2

Withdraw **Compound**

KNIGHT Earned: 75.3

Withdraw **Compound**

Both rewards and staking tokens can be added dynamically without altering your need to move money around. Over time your army % will fluctuate as others enter and exit Battlefield. This leaves good room for engagement and optimization. We will have plenty of surprise rewards to keep Battlefield engaging for the future.

NOTES:

- UI will need to clearly share before and after Army Power and % BEFORE transaction takes place when Adding or Removing troops.
- APR is completely based on what others do and price. Truly a “game” from that perspective.
- New tokens will be able to be added as rewards to existing battlefield, and new multipliers as well. Game must be extensible without ruggable.
- Existing tokens will have future utility.

