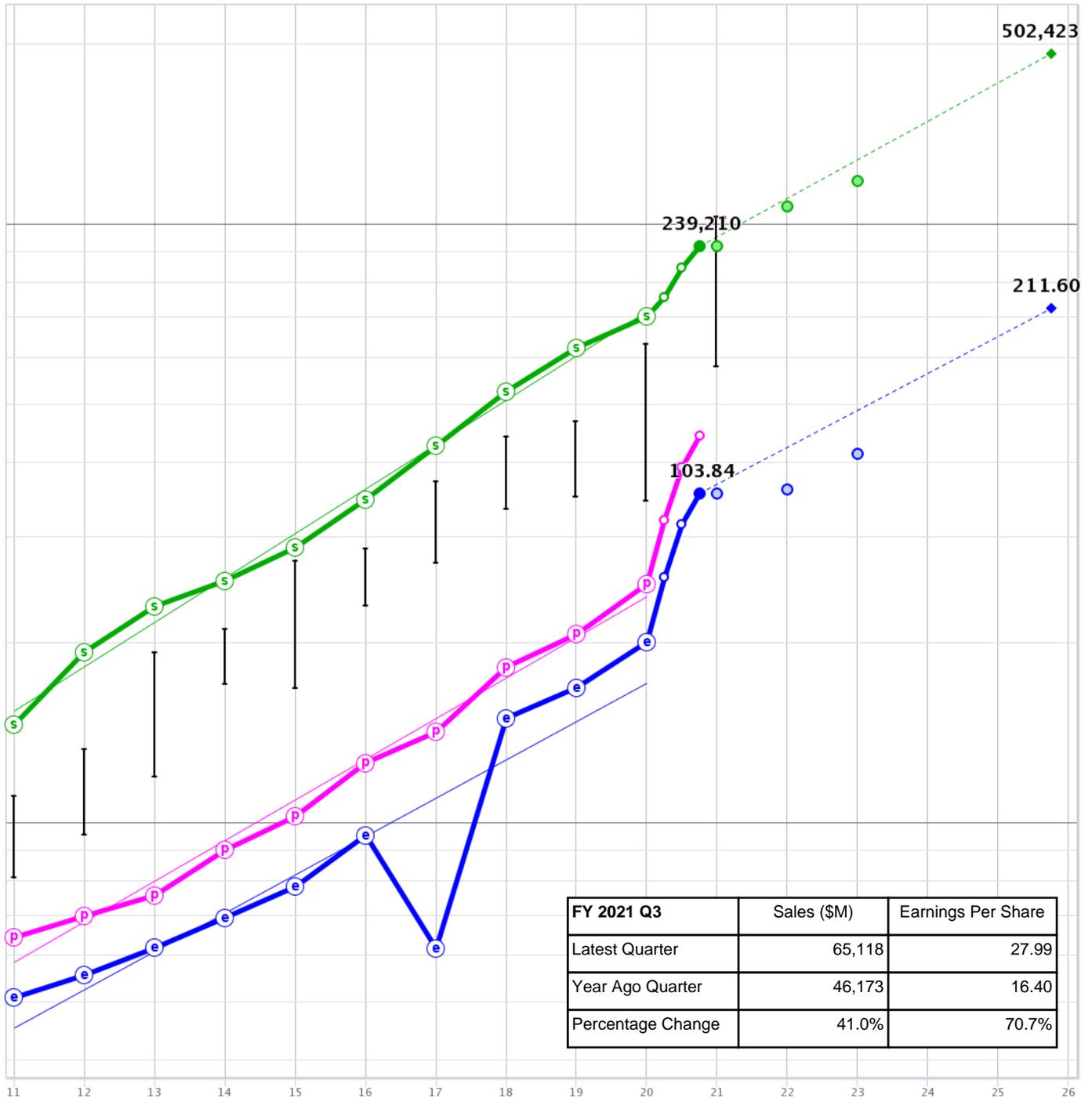


Stock Selection Guide

Company	Alphabet		Date	11/18/21	
Prepared by	Jo Murphy		Data taken from	BI Stock Data	
Where traded	NAS		Industry	Internet Content & Information	
Capitalization ---	Outstanding Amounts	Reference			
Preferred (\$M)	0.0	% Insiders	% Institution		
Common (M Shares)	676.5	5.9	29.0		
Debt (\$M)	27,860.0	% to Tot Cap	10.2	% Pot Dil	1.6

Symbol: GOOGL

1 VISUAL ANALYSIS of Sales, Earnings, and Price



- | | | | |
|-----------------------------------|-------|--|-------|
| (1) Historical Sales Growth | 18.7% | (3) Historical Earnings Per Share Growth | 15.9% |
| (2) Estimated Future Sales Growth | 16.0% | (4) Estimated Future Earnings Per Share Growth | 15.3% |

2 EVALUATING Management

Alphabet

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Last 5 Year Avg.
Pre-tax Profit on Sales	32.5%	26.7%	24.2%	26.1%	26.2%	26.8%	24.5%	25.5%	24.5%	26.3%	25.5%
% Earned on Equity	17.6%	14.9%	14.6%	14.0%	13.5%	14.4%	8.0%	17.9%	17.4%	18.6%	15.2%
% Debt To Capital	6.7%	7.2%	5.7%	4.8%	4.2%	2.8%	2.5%	2.2%	7.3%	10.7%	5.1%

3 PRICE-EARNINGS HISTORY as an indicator of the future

This shows how stock prices have fluctuated with earnings and dividends. It is building block for translating earnings into future stock prices.

CLOSING PRICE 2,996.77 (11/18/21)

HIGH THIS YEAR 3,012.30

LOW THIS YEAR 1,694.00

	A	B	C	D	E	F	G	H
Year	Price		Earnings	Price Earnings Ratio		Dividend	% Payout	% High Yield
	High	Low	Per Share	High A / C	Low B / C	Per Share	F / C * 100	F / B * 100
2016	839.0	672.7	27.85	30.1	24.2	0.00	0.0	0.0
2017	1,086.5	792.5	18.00	60.4	44.0	0.00	0.0	0.0
2018	1,291.4	977.7	43.70	29.6	22.4	0.00	0.0	0.0
2019	1,367.1	1,022.4	49.16	27.8	20.8	0.00	0.0	0.0
2020	1,843.8	1,008.9	58.61	31.5	17.2	0.00	0.0	0.0
AVERAGE		894.8		29.7	21.1		0.0	
CURRENT/TTM			103.84			0.00	0.0	
AVERAGE PRICE EARNINGS RATIO: 25.4				CURRENT PRICE EARNINGS RATIO: 28.9				

4 EVALUATING RISK and REWARD over the next 5 years

Assuming one recession and one business boom every 5 years, calculations are made of how high and how low the stock might sell. The upside-downside ratio is the key to evaluating risk and reward.

A HIGH PRICE - NEXT 5 YEARS

Avg. High P/E 24.0 X Estimate High Earnings/Share 211.60 = Forecasted High Price \$ 5,078.4

B LOW PRICE - NEXT 5 YEARS

(a) Avg. Low P/E 21.0 X Estimate Low Earnings/Share 43.41 = Forecasted Low Price \$ 911.6

(b) Avg. Low Price of Last 5 Years 894.8

(c) Recent Market Low Price 1,008.9

(d) Price Dividend Will Support $\frac{\text{Indicated Dividend}}{\text{High Yield}} = \frac{0.00}{0.00\%} = 0.0$

Selected Forecasted Low Price \$ 2,400.0

C ZONING using 25%-50%-25%

Forecasted High Price 5,078.4 Minus Forecasted Low Price 2,400.0 = 2,678.4 Range. 25% of Range 669.6

Buy Zone 2,400.0 to 3,069.6

Hold Zone 3,069.6 to 4,408.8

Sell Zone 4,408.8 to 5,078.4

Present Market Price of 2,996.77 is in the **BUY** Zone

D UPSIDE DOWNSIDE RATIO (POTENTIAL GAIN VS. RISK OR LOSS)

$\frac{\text{High Price } 5,078.4 - \text{Minus Present Price } 2,996.77}{\text{Present Price } 2,996.77 - \text{Minus Low Price } 2,400.0} = \frac{2,081.63}{596.77} = 3.5$ To 1

E PRICE TARGET (Note: This shows the potential market price appreciation over the next five years in simple interest terms.)

$\frac{\text{High Price } 5,078.4}{\text{Closing Price } 2,996.77} = 1.6946$ X 100 = 169.46 - 100 = 69.5 % Appreciation

5 5-YEAR POTENTIAL

This combines price appreciation with dividend yield to get an estimate of total return. It provides a standard for comparing income and growth stocks.

A $\frac{\text{Indicated Annual Dividend } 0.00}{\text{Closing Price } 2,996.77} = 0.0000 = 0.0\%$ Current Yield

B AVERAGE YIELD - USING FORECAST HIGH P/E

$\frac{\text{Avg. \% Payout } 0.0\%}{\text{Forecast High PE } 24.00} = 0.0\%$

AVERAGE YIELD - USING FORECAST AVERAGE P/E

$\frac{\text{Avg. \% Payout } 0.0\%}{\text{Forecast Average PE } 22.50} = 0.0\%$

C COMPOUND ANNUAL RETURN - USING FORECAST HIGH P/E

Annualized Appreciation 11.1 %
Average Yield 0.0 %
Annualized Rate of Return 11.1 %

COMPOUND ANNUAL RETURN - USING FORECAST AVG P/E

Annualized Appreciation 9.7 %
Average Yield 0.0 %
Annualized Rate of Return 9.7 %