```python
import pandas as pd

import numpy as np

from statsmodels.tsa.arima_model import ARIMA

import matplotlib.pyplot as plt

from sklearn.metrics import mean_squared_error


# Load the TESLA stock price data

data = pd.read_csv('TESLA.csv')

data['Date'] = pd.to_datetime(data['Date'])

data.set_index('Date', inplace=True)


# Sort the data by date

data = data.sort_index()


# Split the data into training and testing sets

train_data = data['Close'][:int(0.8*len(data))]

test_data = data['Close'][int(0.8*len(data)):]


# Fit the ARIMA model

model = ARIMA(train_data, order=(5,1,0))

model_fit = model.fit(disp=0)


# Make predictions

predictions = model_fit.forecast(steps=len(test_data))[0]


# Calculate the Mean Squared Error to evaluate the model

mse = mean_squared_error(test_data, predictions)

print(f"Mean Squared Error: {mse}")


# Plot the actual vs. predicted prices

plt.plot(data['Close'], label='Actual')
```

```python
plt.plot(test_data.index, predictions, color='red', label='Predicted')

plt.legend()

plt.show()
```