



High  
Performance  
Learning

# Meta-Thinking

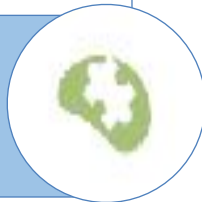
Strategy Planning (Nutshell 2)



# Meta Thinking

- Meta-cognition
- Self-regulation
- **Strategy planning**
- Intellectual confidence

Meta-  
thinking



- **Meta-cognition** – knowingly using a wide range of thinking approaches
- **Self-Regulation** – the ability to monitor, evaluate and self-correct
- **Strategy Planning** – thinking ahead about an appropriate way to tackle a task
- **Intellectual confidence** – ability to express personal view based on knowledge

# We use strategies all the time....



$$\begin{array}{r} 1) \quad 297 \\ + 316 \\ \hline \end{array} \quad \begin{array}{r} 2) \quad 583 \\ + 178 \\ \hline \end{array} \quad \begin{array}{r} 3) \quad 508 \\ - 217 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 639 \\ + 573 \\ \hline \end{array} \quad \begin{array}{r} 5) \quad 804 \\ + 757 \\ \hline \end{array} \quad \begin{array}{r} 6) \quad 285 \\ - 736 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 328 \\ + 76 \\ + 139 \\ \hline \end{array} \quad \begin{array}{r} 8) \quad 184 \\ + 327 \\ - 64 \\ \hline \end{array} \quad \begin{array}{r} 9) \quad 195 \\ - 322 \\ - 505 \\ \hline \end{array}$$



$$\begin{array}{r} 10) \quad 221 \\ + 68 \\ + 357 \\ \hline \end{array} \quad \begin{array}{r} 11) \quad 993 \\ + 274 \\ + 46 \\ \hline \end{array} \quad \begin{array}{r} 12) \quad 534 \\ - 208 \\ - 75 \\ \hline \end{array}$$

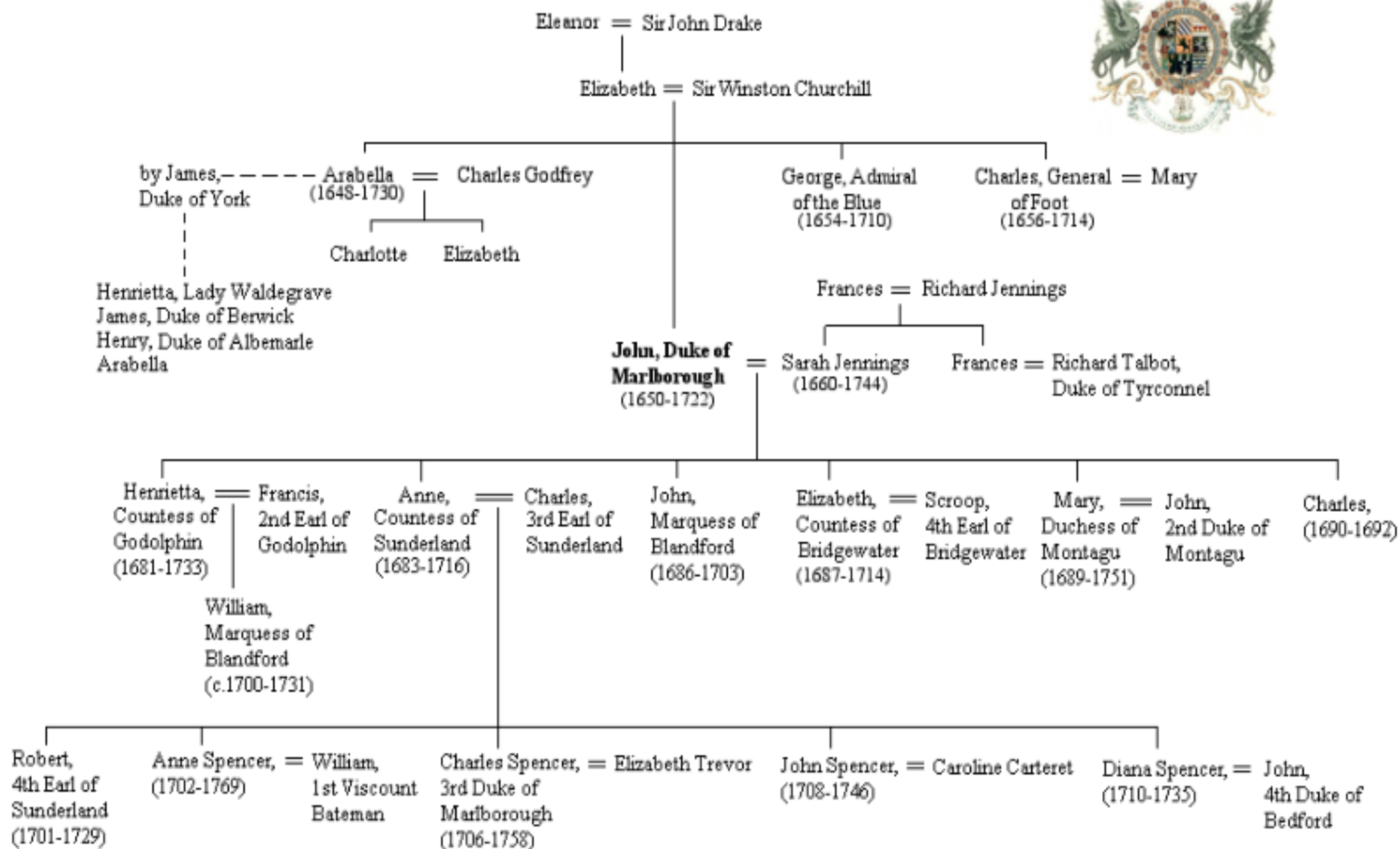
$$\begin{array}{r} 13) \quad 603 \\ + 156 \\ + 37 \\ \hline \end{array} \quad \begin{array}{r} 14) \quad 476 \\ + 323 \\ + 195 \\ \hline \end{array} \quad \begin{array}{r} 15) \quad 791 \\ - 246 \\ - 560 \\ \hline \end{array}$$



# **Activity**

## **The Family Tree**

# THE CHURCHILL FAMILY GENEALOGY



# Family Tree Activity

The purpose of this practical activity is to:

- **Experience** how we use strategies to solve problems.
- **Recognize** that we sometimes, whilst working, need to adjust our strategy.
- **Evaluate** the strategy, or range of strategies used once the problem is solved.

Spend approximately 10 minutes solving the family tree task.

# In real life we are constantly using strategies!

- Throughout our teaching we need to construct activities that require students to think and come up with a range of strategies for tackling the task.
- Making these strategies **explicit** (provide opportunities for students to explain their strategies) and building a short reflection time into all lessons for students to evaluate which strategy they are employing helps develop and embed this important aspect of Meta-thinking.

## Take away task

- How can you restructure classroom activities (all subject areas) to build in opportunities for strategy planning?
- During the coming weeks build in **strategy planning** to lessons and require students to articulate/reflect on the strategies they use when working individually and in groups.