

# DIDDY

detectives

THINK FORENSIC LTD



Modules For Science Super Sleuths

# KS1 AFTER SCHOOL CLUB

'Diddy Detectives' after school club is aimed at children in KS1.

Run over six weeks, the one hour sessions at the end of the school day, include activities around science, literacy, maths, PHSE and life skills.

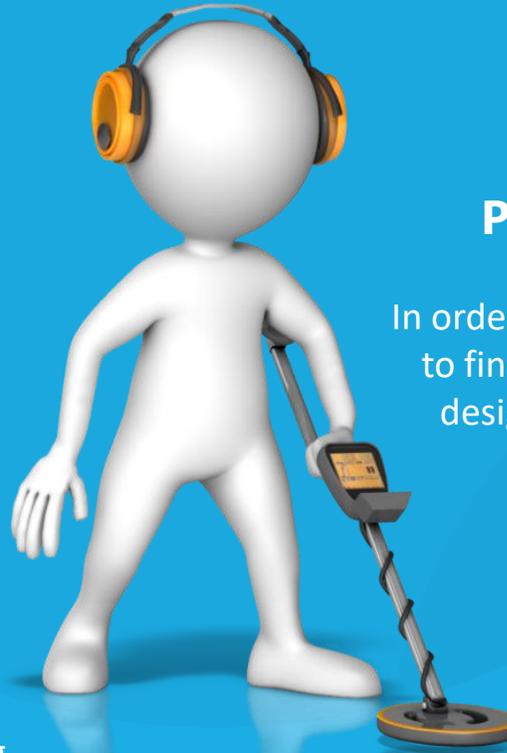
The children are introduced to and tasked with, solving a mystery based upon the story of Goldilocks and the Three Bears.

Over the next few weeks the children will identify the culprit by examining the evidence and eliminating all but one of the five suspects.

# WEEK ONE

## CAREERS & ROLES

The children are tasked with matching jobs to PPE, uniforms and specialist clothing. The session is designed to emphasise safe working practices and various roles within the emergency and crime investigation services.



## PROPERTIES OF MATERIALS

In order to solve the mystery it is necessary to find a metal object, the metal hunt is designed to illustrate and explore the differences in materials.

# WEEK TWO

## FOOTPRINTS & PAWPRINTS

Children will measure, compare and match pawprints to animals, highlighting different characteristics in relation to environment and evolution. Each child will cast a pawprint which they will be able to take home.

## TEETH & X-RAYS

Highlighting differences between animal/human teeth, milk teeth and adult teeth. Comparing animal/human skeletons, joints and movement.

# WEEK THREE

## FINGERPRINTS

The children will develop, examine and compare their own fingerprints using magnetic powder and ink.

## UV POWDER & GEL

Fingerprint developing uses many different methods including UV powders in this session we use the methods to highlight issues around hygiene, germ transmission and the importance of handwashing.

# WEEK FOUR

1

## WITNESSES

An exercise aimed at developing observations and stressing the importance of looking carefully.

2

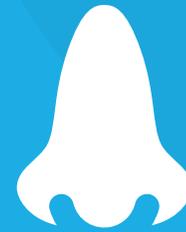
## SENSES

Featuring evidence that cannot be seen, the session focuses on the children's sense of touch, hearing and smell. They are encouraged to use language skills to describe their experiences. Resources include a senses station with smelly canisters, sound buttons and feely tubs.

3

## LINKS TO DANGER

The senses station allows us to discuss how we can use the senses to identify dangerous situations.



# WEEK FIVE

1

## CHROMATOGRAPHY

Using the scientific process to explore how colours are made up. This session also includes following instructions, requiring children to follow several steps carefully.

2

## INTRODUCTION TO MICROSCOPY

Using a digital microscope to look at differences in hair and fibres plus anything else in the classroom that captures their attention. Using manual microscopes to examine everyday objects and substances such as sugar, sand, cloth, feathers and seeds and describing what they see.

# Week 6

Parents will be invited to this session so that the children are able to showcase their work. Children can use all the equipment and kit to demonstrate the analysis and experiments they have conducted over the six weeks.

Think Forensic staff will be on hand to discuss the work the children have undertaken and also answer questions on aspects of Forensic Science.



Cost £5 per head per session minimum 20 students or £100 plus VAT.

On completion of the sessions children will be presented with a certificate marking their achievements, they will also be able to take home a paw print cast and a copy of their inked and developed fingerprints.