

# Out of this World!

What do I need to know about the solar system to provide a high-quality tour?

## Academic Excellence

Learn knowledge on the recall page  
Work in a neat and logical way that will help you to achieve the outcome  
Help yourself but don't be afraid to ask for help  
Accept responsibility for your work and take pride in what you achieve!

## Character - INDEPENDENCE

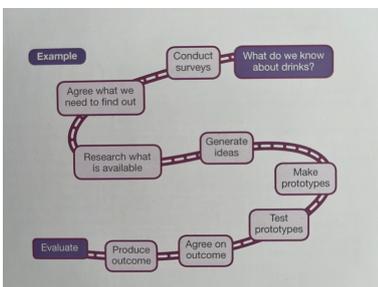
Be self-reliant in developing skills throughout the experience  
Work independently to use my research for my writing.  
Use this as an opportunity to grow and flourish in your outcome

## Outcome – How will our learning be used in real life?

We will be creating a script for an audio guided tour around the Otford Solar System for friends and family.

## Learning to Learn

Our focus thinking tool is the S-plan:



## Personalisation

What will help me in this experience?  
Explore my interests in the experience by doing further research  
Showing my understanding by presenting my work in a way that I can understand

## Rights Respecting

Article 17 – right to information

We will learn more about this right by completing our own research and using this for our outcome

## Concept

### STRUCTURES

I understand that some structures are dependent upon systems for success

# Recall Page

## Vocabulary

gravity	force pulling everything in towards the centre of the Earth
solar system	the collection of 8 planets and their moons in orbit around the sun with the smaller bodies (e.g. asteroids)
anomaly	something that is different to the normal or expected result
rotation	moving around an axis or centre (e.g. moving around the Sun)
planet	a celestial body that is different to stars and has motion of its own
movement	the act of moving; motion
structure	the arrangement of parts and elements to create something complex

## Knowledge

I will need to know:

- the names of the planets in the solar system
- the different types of planets
- the structure of the solar system
- how the planets and moon move in relation to the sun
- how movement of the Earth affects day and night
- how to extract the most important information
- the layout of a script
- what parenthesis is
- how to use parenthesis in a script
- how stage directions impact a script
- how to use vocabulary and sentence structure for the greatest effect

## Key facts

What are the planets in our solar system?	Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune
What is the difference between a planet and a dwarf planet?	The size is the main difference however dwarf planets also do not have enough gravity to pull objects into their orbits.
What causes day and night?	Day and night are caused by the Earth rotating on its axis – NOT because it orbits around the sun.

# Expert example

## Charlotte Holmes - Future Detective

(A small table with three chairs sits Centrestage. There is a school bag placed next to one of the chairs and a wrapped present on another. There is a coloured sweet in a small sandwich bag on the table. Stage Left, a large box, big enough to hold a person and wrapped in birthday wrapping paper. To frenetic music, the cast criss-cross the stage carrying bags, mobile phones and tablets. Enter Narrator 1-4, Stage Right.)

**Narrator 1:** Welcome to the future! The twenty-third century is a busy place to be, but mankind has solved its greatest problems.

**Narrator 2:** There's no hunger.

**Narrator 3:** No poverty.

**Narrator 4:** And no homework!

(The Cast stop and cheer, then continue on their busy way.)

**Narrator 1:** Some things haven't changed, though.

**Narrator 2:** Parents are still annoying.

**Narrator 3:** School is still boring.

**Narrator 4:** And the X Factor is still rubbish!

(The Cast stop, "boo" then exit, leaving Charlotte to take her place at the table. She wears a school uniform.)

**Narrator 1:** But, for one girl, living in the twenty-third century is just great.

**Narrator 2:** Especially today.

**Narrator 3:** Because today...

**Narrator 4:** Is her birthday!

(The Narrators exit as Mum and Dad enter. Dad carries a plate with two 'Smarties' or similar coloured sweets on it. Mum carries a small present.)

**Mum:** } (Together, Singing.)

**Dad:** } Happy birthday dear Charlotte, happy birthday to you!

**Mum:** Happy birthday, darling!

**Charlotte:** Thank you!

**Dad:** I had the food-o-matic make you a delicious cake.

**Charlotte:** Don't tell me! (She takes the sweet and studies it.) As you asked me for my favourite things diary last week and this meal tablet is chocolate brown in colour, I deduce that you have made my favourite flavour for my birthday breakfast. (She pops a sweet in her mouth.) I was right! Chocolate fudge, yum!

**Mum:** You're such a detective.

**Dad:** (Holding up the other sweet.) Don't forget the ice cream.

**Charlotte:** (Eating the sweet.) Mmm, thanks!

**Mum:** I suppose you'll want your present, then?

**Charlotte:** I'm so excited, what is it?

**Mum:** Can't you guess?

**Charlotte:** I don't guess, I deduce.

**Dad:** I suggested a pair of hover-boots.

**Charlotte:** They're so twenty-second century!

**Dad:** Then I suggested a supersonic toothbrush.

**Charlotte:** They're too noisy.

**Dad:** And finally I suggested an anti-gravity bed.

**Charlotte:** But I hate sleeping standing up.

**Mum:** Don't worry, I got you something cool, here.

(Mum hands Charlotte the present.)

**Charlotte:** Hmm, from the size, shape and weight, I deduce this to be a remote control unit. (She tears off the paper to reveal a remote control unit.) I was right! But what's it for?

(Stands next to the large box, Stage Left.)

**Mum:** For this!

**Charlotte:** Wow! (To the Audience.) How on Earth did I miss that?

(Passing the remote control to her Mum, Charlotte tears the wrapping paper off the box to reveal a large label printed beneath - 'Watson5000™'.)