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**GEOGRAPHY AND HISTORY:**

* Map work/atlas work
* Hemispheres/ time zones/ tropics
* Grid references/ longitude and latitude
* Exploring the lives and times of inventors such as Thomas Edison, Da Vinci, Benjamin Franklin and Isaac Newton.
* Look at how their inventions have changed the world, how technology has impacted our lives. Would the world be different without the inventions – would it be better or worse?

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**PSHE:**

* Relaxation and Yoga
* Bodily changes during puberty (Y6 learning about intercourse, pregnancy and growth)
* Healthy relationships and peer pressure
* Learning about Human rights, transphobia, homophobia and bullying and how to stop them
* Online safety and how to remain secure
* What to do when something happens we didn’t expect – who to contact/ talk to?

**RE:**

**Is belief in God reasonable?**

* In depth look at what Christians believe – considering Bible stories such as Moses, Noah, Adam and Eve.
* In depth look at what Humanists believe – considering their theories and ideology
* To compare and contrast the views to create our own cohesive arguments and views.

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**ENGLISH:**

* Spelling and SPAG
* Reading skills and comprehension
* Understanding playscripts - Imaginative play including the robot created in DT
* To update myths and create modern day stories with learning or morals
* To create independent creative writing focusing on robotic or inventions and their impact on the world. Focusing on direct speech and how to incorporate accurately.
* Reading comprehension focus
* Learning and consolidating inference, evidencing skills as well as vocabulary work and dictionary skills.

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**MODERN FOREIGN LANGUAGE:**

* Seasons and weather
* My future/ ambitions – what I would like to achieve within my life? My goals etc ( PHSE)
* Recap of basic vocabulary including; colours, pets, favourite colour, name, school, age and numbers 1-100

OAK CLASS

SUMMER TERM > 2020-21

INVENTORS

.d,

**DESIGN TECHNOLOGY:**

* Create, design a robot that can move using axles, wheels, cogs etc
* Using trials, evaluations, changes and finalising a design
* Creating a detailed drawing and labelling of object after it is created
* Work as a team to consider uses for your robot

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**ART AND DESIGN:**

* Detailed drawings
* Scientific drawing
* Kandinsky (music and art link)
* Da Vinci (inventions and drawings)
* Inventing and creating a robot (DT) and drawing its details and in depth study of its parts, different angles, internals

**ICT:**

* Cyber safety
* Espresso coding sessions
* Use of word, Power point, Excel to find and create charts based on costings/ inventions
* Creation of graphs and charts using computers (link to maths)
* Using art programmes to recreate drawings and sketches using ICT

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**SCIENCE:**

* Understand materials and different types
* Comparing and grouping objects based on their properties e.g. magnetism, hardness, solubility, conductivity, appearance
* Reversible and non-reversible changes
* Understanding solid/gases/liquids and changes
* Understand electricity, components, circuits
* Understand how inventions have changed history and impacted our lives.

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**MATHEMATICS:**

* + Problem solving + - ÷ x up to 2 decimal places
	+ Standard operations revision + - ÷ x
	+ Percentage/ pie chart/ data handling revision
	+ Reasoning solving practise
	+ Mixed number fractions and conversions
* Shapes/ angles/ translations revisions
	+ Recall number facts and equivalents
	+ Revision of formulas and algebra
* Measures and conversions
* Area, perimeter, radius and diameter
* SATs preparation and revision
* Ratio, proportion, fractions of, chances
* Conversions and measuring e.g: protractors

**MUSIC:**

* Rhythm, beat, tempo, dynamics, pitch, repetition,
* Create own compositions using futuristic images as stimuli, robotics (linked to art Kandinsky)
* Wind in the Willows summer show solos and songs
* To play the keyboard, learning short songs.
* Using music notation to right own music.