

Dear Parents/Carers,

A big hello from Year 6! We've got so many amazing things happening this year that we'd like to share with you. It's going to be a very exciting time and we can't wait to get started!

<b>Autumn</b> The Industrial Revolution	<b>Spring</b> Magnificent Mayans	<b>Summer</b> Shang Dynasty
 <p>An exploration into a major change in British history! We will delve into different aspects of this influential period of British history – exploring events such as the development of health and hygiene and how transport changed during this period.</p>	 <p>We will conduct a study of the Ancient Mayan civilisation c. AD 900. In this topic, we will learn about a non-European society and contrast this with British history. We will also explore countries, mountain ranges, rivers and oceans in Central America.</p>	 <p>We will explore the achievements of one of the earliest civilisations. In this topic, we will conduct an in depth study of The Shang Dynasty of ancient China. We will then locate the main countries in Asia and explore their physical and human geographical features.</p>

### Curriculum

At The Carlton Junior Academy, we teach a broad and ambitious curriculum. We aim to provide a meaningful learning experience for the children which develops knowledge and skills in each subject area.

### English

Our English lessons are linked to our 'Industrial Revolution' topic. Each class will be reading 'Gaslight' by Eloise Williams as their 'Power of Reading' book. The children will produce a range of exciting writing such as: non-chronological reports about the experiences of Victorian children. Any reading at home or school will be recorded in their personal organisers and we ask that you share a book with your child each evening for at least ten minutes. We will continue with the 'Bookworm Challenge' awards. Please encourage your child to take care of their book and return it to school when finished. We welcome donations of unwanted books.

### Spellings

Spellings will continue to be given out on Mondays and the spelling test will be on Fridays. Spellings will be taught daily and will focus on a specific sound/pattern/rule. During the week, children can use 'Spelling Shed' to further develop their understanding. Every term, a whole school 'Spelling Bee' will take place involving learning the spellings from the National Curriculum's statutory lists.

### Maths

This term children will be looking at being able to read, write, order and compare numbers up to 10 000 000 and round any number. Children will then recap the formal written methods for addition, subtraction, multiplication and division and apply these methods to solve multi-step problems in context. Next children develop their ability to handle more diverse problems involving fractions, including dividing and multiplying fractions by whole numbers. To begin the chapter, pupils divide whole numbers by whole numbers, giving rise to fractions. We will continue to focus on times tables, number skills and fluency with daily times table and arithmetic sessions. Remember children can login to 'Times Tables Rock Stars' to improve their rapid recall of times tables.

### Science

In the Autumn term, our topics are 'Evolution and Inheritance' and 'Light.' For 'Evolution and Inheritance,' we will be exploring the work of Anning, Wallace and Darwin; looking at what evolution is; how animals adapt to their environments and the characteristics we inherit. The children should be able to tell you what DNA stands for by the

end of the topic - see if they can amaze you! For our learning about 'Light,' we will be exploring how light travels and the formation of shadows. The children will also investigate the eye, Isaac Newton's "theory of colour" and conduct scientific experiments using prisms and mirrors to learn how reflection and refraction works.

### History & Geography

During the Autumn term we will be exploring the numerous changes and impact of the Industrial Revolution on Victorian Britain. The children will look at the different forms of transport; which were unsuccessful as well as which ones have survived the test of time! We will also investigate how medicine has changed from the gory operations with no anaesthetic to the introduction of the Gray's Anatomy book. In addition to this, we will compare classrooms then and now and learn why the Education Act was so vital to the children of the time. We will study the way crime and punishment has progressed and why you wouldn't want to be in prison back then! Finally, we will look at one of the main industries of the time- the cotton industry and why this put the north of Britain on the map! We will be taking a walking tour of Nottingham city centre to step back in time and investigate the Watson-Fothergill buildings which were designed and built during the Industrial Revolution. The children will use fieldwork skills to sketch the building and analyse their characteristics. They will look at what the buildings are used for now and how their uses have changed over time.

### P.E.

This term, we will be focusing on developing skills within netball and tag rugby. In netball, we will develop our hand-eye coordination, passing technique and sportsmanship. This will build into a competitive game. Within tag rugby, we will concentrate on defense and tackle strategies and further develop our passing skills.

### Religious Education

In line with the Nottinghamshire syllabus, we will be learning about 'Teachings, Wisdom and Authority'. The children will explore the wisdom that has been imparted by different inspirational leaders (both religious and non-religious) and consider how to apply this to their own lives. They will also look at the wisdom shared from important figures from the early 20<sup>th</sup> century such as Alexander Graham Bell, Winston Churchill and George Eliot. Following this, we will explore 'The Holocaust' and consider the importance of combatting discrimination and prejudice.

### Music

Through our Charanga programme, we will be using and exploring staff and other musical notations. We will create our own compositions based on a range of musical notes and will perform these in solo and ensemble contexts. The music will be created through body percussion thereby increasing accuracy, fluency and control.

### Relationships Education & PSHE (Personal and Social Health Education)

This term in PSHE, we will be covering two different units using our whole school JIGSAW approach: Being Me in My World and Celebrating Difference. In the 'Being Me in My World' unit, children will learn about personal goals, making people feel valued and welcome, children's universal rights, anti-social behaviour and democracy. In the 'Celebrating Difference' unit, children will learn about perceptions of normality, understanding disability, understanding bullying and how differences can cause conflict and celebration.

### Computing

In Computing, we will be learning word processing skills, working with SmartArt, making tables and using short cuts to navigate the page more easily to edit and improve our work. We will also be developing our presentation skills and be able to insert moving images, hyperlinks and sounds. There will be an opportunity to recap the difference between the Internet and the World Wide Web researching about Sir Tim Berners Lee the creator of the World Wide Web. Once we have an understanding of the World Wide Web, we will use HTML to create our own webpage. We have also been successful in a bid to join 600 schools in the brand-new Coding to Success programme funded by BAE Systems, the Royal Navy and Royal Air Force. The programme has given school two free Lego Education Spike kits, so that we are able to learn about robotics and coding. This will fuel the passion of our children and encourage the next generation of scientists, engineers and computer programmers. We take every opportunity to grow the children's ability to safeguard themselves online too, so whilst using the internet, we will look at the difference between misinformation, disinformation and fake news. During discussions, we will consider inappropriate content on the Internet and how we deal with this.

### British Values

Throughout our curriculum, the children will learn the fundamental British Values. Tolerance and respect of those

with different faiths and beliefs will be taught during RE lessons. Children will learn the importance of responsibility and relationships during our PSHRE lessons and explore individual liberty through our class book 'Gaslight'.

#### Art & Design and Technology

In Art, we will be learning about "William Morris" and exploring his wallpaper designs which focus on English wildlife. We will then be creating our own wallpaper designs - this will involve practising sketching skills and printmaking. Our Design and Technology topic involves researching famous structures around the world and focusing on the construction of these. We will be focusing on how to create the structure of a bridge and carefully evaluating the sturdiness of different materials.

#### Homework

Homework continues to be given out on a Tuesday. Maths is given out every Tuesday and the children have one week to complete it. Maths homework is linked to the topic studied that week in class. In Year 6, children may also bring home a short arithmetic test to help prepare them for the end of year SATs. Whole School Homework this term is going to be linked to the History and Geography topics explored in class. Children will be able to choose their homework task from a range of exciting options! New tasks will be given out to children next week on 14<sup>th</sup> September. This term, the Year 6 children will complete the D.A.R.E. (Drug Abuse Resistance Education) programme led by Officer Spencer. A range of topics are covered including peer pressure and the dangers of drug and alcohol abuse. A D.A.R.E. graduation will be held at the end of term. In October, we have been invited to attend a Science Day at The Carlton Academy. This is always an exciting event where children learn new scientific knowledge and skills. In November, we will also be attending a virtual Art experience where children will learn to develop their printing skills. There will also be opportunities to come into school throughout the term. Our 'Meet the Teacher' session will occur on 13<sup>th</sup> September 2021, where you will be able to meet the Year 6 team. On 12<sup>th</sup> October, we will be celebrating our Harvest Festival at St. Paul's Church – we hope parents and carers will be able to join us. Furthermore, our Christmas Production will be taking place on 8<sup>th</sup> & 10<sup>th</sup> December.

Kind regards,

Mrs de Gilbert      Mrs Charlesworth      Mrs Tait      Mrs Foster