

Dear Parent or Carer,

In science this term we will be learning about reproduction in humans, this is an age-related biology topic that is taught during KS3. Please see the scheme of work below. This outlines what content will be taught in each lesson from a scientific point of view.

A trauma informed approach underpins the teaching and learning at Ormston, with extra care dedicated to sensitive topics such as these. If you wish for your child not to be present in certain lessons, please contact the school and alternative science work will be set for students during these lessons.

Email the school office at: schooloffice@ormstonschool.co.uk

If you have anymore questions, please email the school office and I would love to chat with you about everything science at Ormston School.

Kind regards,

Mr Sangra

	Scheme of Work	Lesson Content
1	Reproduction	<ul style="list-style-type: none">• Labelling the cell structures of a sperm and egg cell• Understanding that the cells fuse together to form a fully fertilised egg which can develop into a baby
2	Male Reproductive Organs	<ul style="list-style-type: none">• Labelling the male reproductive organs• Explain how each part support sperm production and delivery
3	Female Reproductive Organs	<ul style="list-style-type: none">• Labelling the female reproductive systems• Explain how each part supports egg production and maintenance
4	Journey of a sperm cell	<ul style="list-style-type: none">• Using key terminology from lesson 2 and 3 to explain the journey of the winning sperm• Explain the protective measures in the female reproductive system• Explain how millions of sperm allow for variation and only 1 can result in your genetics
5	Fertility treatment	<ul style="list-style-type: none">• Explain how infertility can be caused in both males and females• Explain alternative pregnancy methods such as IVF and surrogacy
6	Contraception	<ul style="list-style-type: none">• Compare the advantage and disadvantages of different methods of contraception<ul style="list-style-type: none">○ Condoms as barrier methods and reducing risk of STD transfer○ Natural methods such as withdrawal and the risks associated○ Contraceptive pills and potential side effects

7	Development of a baby	<ul style="list-style-type: none"> • Explain how the baby develops from a zygote to a fully developed baby and the key steps • Explain the main steps in birthing a baby including alternative birthing methods such as water births
8	Effects during pregnancy	<ul style="list-style-type: none"> • Explain how the placenta allows the transfer of nutrients between mother and baby • Explain how harmful chemicals from smoking, drinking alcohol and drugs passes the placenta into the baby causing adverse effect • Explain how the amniotic fluid protects a baby in the womb
9	Puberty	<ul style="list-style-type: none"> • Identification of the key body and mental changes in both biological males and females during puberty • Acceptive that puberty is different in all people as it is affected by hormones
10	The menstrual cycle	<ul style="list-style-type: none"> • Identification of the key steps in the menstrual cycle • Explain why females are only fertile during certain parts of the month • General acceptance around periods and how it is different in everyone