Year 5: Science Changes from Birth to Old Age Knowledge Mat

| Subjec | t Specific Vocabulary | Human Development | Important knowledge |
|---------------|---|---|--|
| gestation | The gestation period, in mammals, is the time period between conception until birth, during which fetal development takes place | | □ I know the different stages of the human life cycle: baby, toddler, child, teen, adult, geriatric. □ I know what gestation is and that it differs depending on the species. |
| fetus | A fetus is the stage that an organism goes through before it is born as a baby | | |
| fertilisation | Fertilisation, simply, is the joining of an egg and a sperm. | | know that a fetus grows and changes as it develops. I know that there a features of childhood that are the same for all children, but that there are also differences. For example: All |
| | | | children do not have the same size feet. |
| species | A group of similar organisms that are able to reproduce. | Fetal Growth | □ I know that eyesight and muscle strength diminishes as humans become old. □ I know the phases of human development and can describe the changes that occur. |
| toddler | A toddler is a child approximately 12 to 36 months old. | Fertilized egg 2-cell stage 4-cell stage 8-cell stage 16-cell stage Blastocyst Foetus - 4 weeks Foetus - 10 weeks Foetus - 16 weeks Foetus - 20 weeks | □ I can decide whether questions can be answered by testing or by research. □ I can record gestation periods clearly using scientific vocabulary and symbols bar charts and line graphs. □ I can record my data about fetal development using clear scientific vocabulary in a line graph. □ I can identify patterns in my data and decide how to record it in a chart. □ I can take accurate measurements using weighing scales and understand why I need to repeat my measurements. □ I can say whether my research has answered my question. |
| childhood | The period of being a child. | | |
| adolescent | The time in a young person's life between childhood and adulthood. | | |
| geriatric | The term used to describe old people. | | |
| puberty | The process of physical changes through which a child's body matures into an adult body. | | |
| hormone | Hormones are special chemicals your body makes to help it do certain things – like grow up. | | |