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| updated logo Badgers Class Medium Term Planning for Computing Autumn Term 2022 | |
| Topic: Travel and Transport  Explore the technology used in vehicles  Use remote control cars  Programming – Improve and change the sequence of commands | Computing will be developed throughout the curriculum, giving children the opportunity to take photos, use an ipad, explore torches etc. This plan is to provide specific planned opportunities to support the children’s progress and may be altered to suit the needs of the children during the term to support their learning in areas of Cause and effect, Understanding of sequence, attention and timing, targeting and timing, introducing choice and choice making using simple toys.  Learning these computing skills are the foundations to being able to operate technology which will later lead to programming. |

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| **Lesson 1 - Link it and Learn it**  Cause effect toys out to explore. Previous knowledge of how to work these toys.  **Main activity**  **1:1**  **Guided play and intensive interaction with cause and effect toys**  Plenary – Model activity to whole group. | **Lesson 2 – Learn it**  **Main activity**  **1:1**  **Watch an adult operate a remote control toy, attempt to use**    Plenary – Look at the activity as a group. | **Lesson 3 – Check it**  **Main activity**  **1:1**  **Operate with less adult input**  Plenary – Look at the activity as a group. | **Lesson 4 –Show it**  **Main activity**  **1:1**  **Operate independently**  No modelling today, can the children demonstrate their understanding and take part independently, from previous knowledge of the activity.  Plenary - Look at the activity as a group. | **Lesson 5 - Know it**  **Main activity**  **1:1**  **Let the children choose from the toys which are remote control and show skills**  Plenary - Look at the activity as a group. |

Take the objectives for the LO stickers from this section

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| Substantive Knowledge (Content) | Disciplinary Knowledge (Skills) |
| * Cause and effect * To know that pressing a button or specified place will cause something to happen. * To press and hold with create an effect. * To press and let go may create a response. * To press again will create a response. | Birth to 3 Understanding the world  Repeat actions that have an effect.  3-4 year olds  Explore how things work. |

**Progression of Learning**

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| ‘Link It’ | ‘Learn It’ | ‘Check It’ | ‘Show It’ | ‘Know It’ |
| Previous learning of pupils   * Link to operating toys using cause and effect | Activities provided during lesson  Resources  Explore remote control vehicles | Independent activities linked to lesson  Resources  Practice the skill of operating the vehicles | How will the pupils share knowledge during or end of lesson  Show that you can operate the vehicles with little support | Retrieve or generalization of learning after lesson  Operate the vehicles independently |