



## **Design Methodology**

In forming our proposal for the refurbishment of the Ivydene Road play area, Wicksteed has fulfilled the requirements stated by the council, ensuring that the placement of the new play item will have a positive influence on the overall safety on the play area. Throughout the creation of the design for this project it was our primary intention to offer children the opportunity to engage in a diverse range of play activities that will aid in the development of physical and social skills. Wicksteed have included two new multi-play item that will encourage creative, imaginative play as well providing opportunities to test perceived boundaries with age appropriate physical challenges, and facilitating an environment where different age groups can graduate up from the existing play items. Our design has been formulated to be sympathetic to the surrounding area including equipment material that is both modern, traditional and innovatory.

### **Layout and Inclusivity**

As requested by the council, the new item has been informally segregated so that the risk of collision between differing age ranges is reduced. Further to this we have included special ground graphics in the form of a space theme. This will bring life to the new placescape, ensuring that children are able to engage with the play area from top to bottom. As always, Wicksteed designers have been mindful when placing the new play item, taking all the relevant health and safety legislation into account and ensuring that the needs of those who pass through the play area are met. By ensuring that this approach runs throughout every stage of the design process, we have created optimum synergy between design and safety.

Wicksteed products are renowned for their structural attributes, longevity and sustainable properties. Our proposal for the Ivydene Road will encourage **equal opportunities** for all, not discriminating between gender, race or disability. It allows children to play for an hour or two after school, and grandparents also use it with grandchildren. It has hugely important **social benefits** as people that may be isolated and lonely during daytimes i.e. young mums or the elderly can socialise and meet new people at the play area.

### **Health and Safety Standards**

All equipment and safety surfacing included within our design has been tested to the relevant European and British Safety Standards BS EN 1176:2015 (Playground Equipment) and Impact Absorbent Surfacing to BS EN 1177:2015. Evidence of conformity can be found in our submission.

The following inclusive features and play values of equipment can be found in our design for Ivydene Road. To gain a more comprehensive understanding of the layout of proposed equipment, please see accompanying ISO and plan.



### Play Value:

Wicksteed's design incorporates numerous play activates that will enrich children's play experience and aid both physical and social development. Below, we will outline each piece of equipment's play value and provide a brief description.

Wicksteed Leisure uses the following 'Play Symbols' across our range of equipment to allow a quick reference to show the Play Value of each item that we design and manufacture.



### Sky Cloud Multiplay



The Sky is one of our new Value Engineered Multi-Play Units, helping you to get more play value for your money. Helping children to develop their independence as they tackle this unit unaided, making decisions about how they get up and down, and testing both their capabilities and bravery! However for those who are maybe more timid, they can be assisted by their parents/guardians.



### Mordred Castle Multiplay unit

This multi-play unit is as dynamic as it is robust, packed full of intriguing play values including; climbing, balancing, sliding, swinging and scrambling. The customisable colourful panels add a vibrant feel that aids imaginative play whilst adhering to Wicksteeds robust safety standards. All steel items come complete with a **25-year guarantee** and as a result of our superior paint finish Wicksteed is able to provide a **7-year guarantee** on all our paintwork against corrosion. The panelling details are constructed from High Density Polyethylene (HDPE) which contain a large strength to density ratio which also enables the panels to be weather and corrosion resistant, as well as being easy to clean making this unit almost completely vandal resistant.





### Viking Swing - 2.4M - 2 Bay 2 Flat Seats and 2 Cradle Seats



Cradle seats can reduce the risk of accidents as well as catering for users who have problems with their balance and/or coordination. They are also recommended for users up to the age of 5. Flat seats are designed to give the user a safe sense of risk as well as developing their abdominal and oblique muscles which are used to maintain good body posture. They are recommended for age 5 upwards.



### Cockerel – Rock 'n' Roll

The Cockerel Rock 'n' Roll is all about children working well as a small team to have energetic fun together - teaching them interaction and co-operation skills. Aimed at users in the age range of 3-12 this 'Bounce-about' has the structure of a see-saw that facilitates multiple users, children work together to create a rocking motion which will develop upper body and core strength along with coordination. The rock n roll is made from steel structure with HDPE panels and housed onto two heavy duty springs which are sleeved with heavy duty rubber to prevent access into the spring mechanism. The Cockerel Bounce-Abouts are brightly coloured to attract attention but also aids users with visibility problems.





### Surf Rider

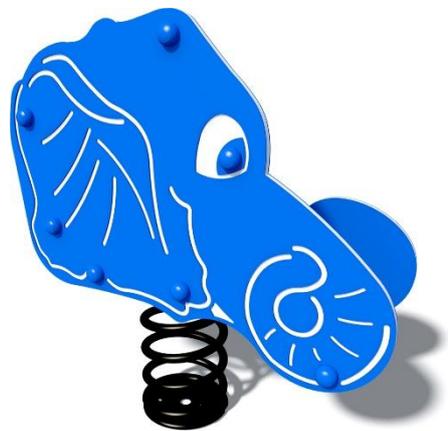


Introducing Wicksteed's newest play item; the surf rider. No more will children have to endure long journeys to the coast, with the surf rider the joy of the waves can be installed in a play area near you. Suitable for individual or pairs play, dual supports either side allow the user to reach great heights and speeds safely. These support also allow children to 'graduate' up the degrees of risk, starting out with maximum support as they build strength and agility; before surfing independently for the ultimate thrill. Ideal for juniors to teenagers. The following play values apply to this item:



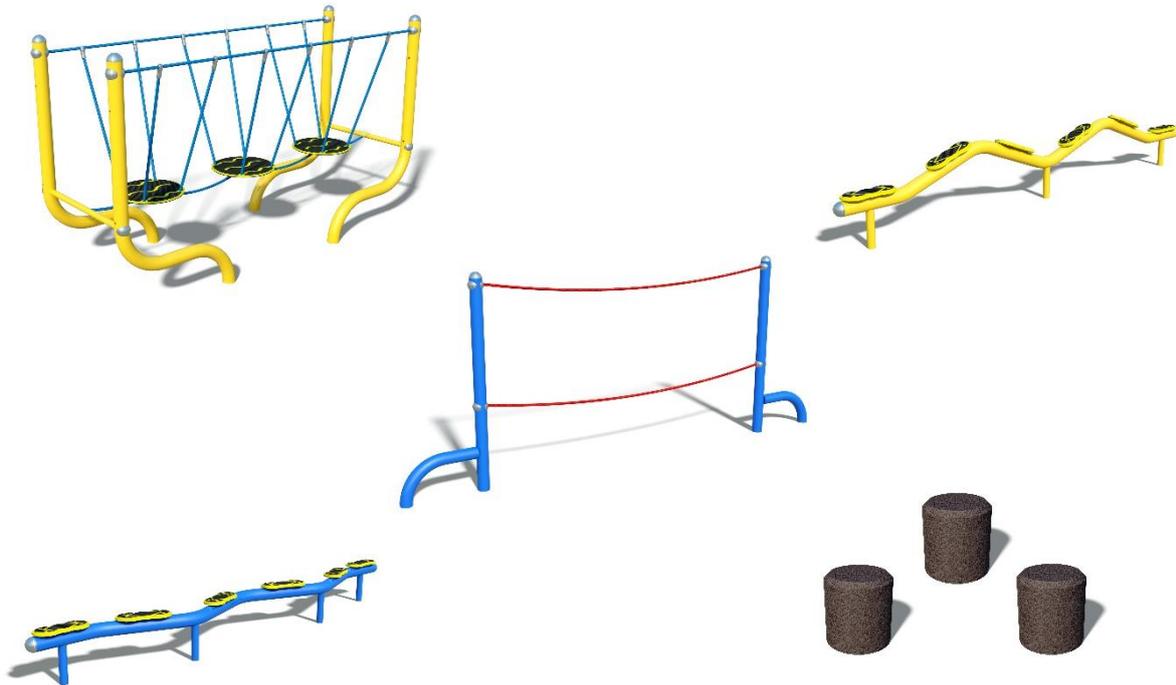
### Sit-In Spring Mobile 'Jumbo'

This attractive and sturdy spring mobile in the guise of an Elephant is made of HDPE with non-slip rubber surfaced seats. It is ideal for toddlers aged 2-5 years old. It is also fully compliant to DDA regulations as it has side and back supports as well as good hand and foot holds to help users with mobility and composure problems.





## Stepping Stone George, Switchback Run, Slalom Run, Tightrope Walk and Stepping Stone



In this computer age, it is even more important to provide opportunities for young people to keep fit and live a healthy lifestyle outdoors and these items will do just that! These units will challenge even the most competitive users. The Stepping Stone George provides a challenge of both balance and coordination as young users attempt to cross the George. Paired with the Switchback Run and Slalom Run, the Tightrope changes the angle of balance as children traverse across. The floor is lava! The Stepping Stones garnish the rest of the trail, providing needed links between items so that children can avoid touching the ground.

