## Resource Rooms Materials for learners with Disabilities / Special Educational Needs

TECHNICAL SPECIFICATIONS

| $\begin{aligned} & \mathbf{N} \\ & \mathbf{o} \end{aligned}$ | Materials | Descriptions | Use | Image for reference |
| :---: | :---: | :---: | :---: | :---: |
| For Learners with Intellectual Disabilities/ Other developmental delays/ Autism |  |  |  |  |
| I | Size and shape puzzle | This is a set of 5 pieces which could either be lorries, cars, buses or vans made of plywood and in assorted colours and of varying sizes. <br> Sizes may range from $80 \mathrm{~mm}-150 \mathrm{~mm}$ in length. | These can be used for: <br> - visual discrimination/association; <br> - cognitive development; <br> - fine motor development; <br> - colour concept. |  |
| 2 | Animal Stencil Shape Board | These are cut-out shapes on plywood measuring $200 \mathrm{~mm} \times 220 \mathrm{~mm}$ with corresponding shapes to be fitted. | The set can be used for: <br> - visual discrimination; <br> - pre-writing skills; <br> - eye-hand coordination. |  |


| 3 | Blowing Game Board | It has 12 holes drilled on a wooden base, big enough to hold a table tennis ball. Several variations of play can be initiated through placement of the ball in different holes on the board. <br> The size can be $300 \mathrm{~mm} \times 250 \mathrm{~mm}$ with a depth of 35 mm . | control of lips, chest and throat muscles; <br> - respiratory and mouth movement function; <br> - play activities; <br> - exercising speech organs. |  |
| :---: | :---: | :---: | :---: | :---: |
| 4 | Lacing Board | This is plywood with holes and laces. The size can be $300 \mathrm{~mm} \times 250 \mathrm{~mm}$ | This can be used to develop: <br> - fine motor skills; <br> - creativity; <br> - eye hand coordination; <br> - colour discrimination. |  |
| 5 | Size Boxes | These are seven wooden boxes made to fit into one another. Sizes can range from $70 \mathrm{~mm} \times 70 \mathrm{~mm} \times 70 \mathrm{~mm}$ to $260 \mathrm{~mm} \times 260 \mathrm{~mm}$ $\times 88 \mathrm{~mm}$. The boxes can be painted in different colours. | These can be used for: <br> - stimulation of motor <br> development; <br> - cognitive development; <br> - development of manual dexterity; <br> - developing size concept. |  |



| 9 | Play mats |  | Used for children during learning |  |
| :---: | :---: | :---: | :---: | :---: |
| 10 | Bouncing balls |  | Used for Kinesitherapy and muscle stimulation. |  |
| 11 | Communication Boards | At least ten morning routine on a paper that you can hang on the wall | Help communicate with Non verbal children with autism. 50 for each type |  |

II

| 12 | Picture <br> Communication Cards | 100 cards with different images and symbols of things that I child need in his daily life. | Used to communicate with Autistic children |  |
| :---: | :---: | :---: | :---: | :---: |
|  | For Leaners with Visual Impairment |  |  |  |
| 13 | $\begin{array}{\|l\|} \hline \text { Classic } \\ \text { Braille } \end{array}$ | - Full right and left margin adjustments to accommodate any paper size and line centering. <br> - Round paper-feed knobs to enable easy paper loading and unloading. <br> - Metal carrying handle. <br> - Fast response time between typing and output. <br> - Audible bell sound seven spaces before end of line. <br> - Carriage release, full horizontal movement between margin stops. <br> - Includes user manual in both print and braille. <br> - Includes leather dust cover. <br> - Weight: $10.6 \mathrm{lb}(4.8 \mathrm{~kg})$ <br> - Paper size maximum: $11.5 \times 14$ in (29.2 $\times 35.6 \mathrm{~cm}$ ) <br> Recommended paper weight: 90 lb | Braille machine is used to write Braille characters. |  |


| 14 | Braille Manila Paper | - BRIEFCARDS <br> A4180g/m2, <br> $21 * 29.7 \mathrm{~cm}(\mathrm{~A} 4)$ <br> - Color: Green <br> Each box contains 1000 papers | Braille paper is used for production of Braille books or any other Braille writing. |  |
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| I5 | Slates And Stylus | A4 Format <br> - Plastic material | A slate and stylus are used for note taking. Commonly used by young children |  |
| 16 | Braille marked cubes Cubarhythms | Cubarhythm, calculating-board with 100 braille-marked plastic cubes. | Part of the Cubarithm arithmetic kit, this pack contains 100 weighted plastic cubes which are embossed with braille signs. They are placed in the work board to perform arithmetic calculations. Cubarithm is a braille maths teaching aid for visually impaired children |  |
| 17 | Spelling Board | This is peg board with four rows of holes in braille cell patterns designed for spelling out words and learning formation of letters. The size can be $370 \mathrm{~mm} \times 300 \mathrm{~mm}$. | It can be used for: <br> - developing tactile discrimination and letter recognition; <br> - matching letters to form words, simple sentences and developing reading skills. |  |


| 18 | Braille Multiplication Chart | This is a plywood board divided into 121 squares. Numerals I-9 are written in print and braille. <br> In each square the correct quotient corresponds to the numbers indicated at the margins. | These can be used for: <br> - teaching the multiplication of single digit number by a single digit number; <br> - reinforcing the understanding of multiplication of single digit numbers. |  |
| :---: | :---: | :---: | :---: | :---: |
| 19 | Orbit Readers | Orbit Reader 20 - Braille Display, Book Reader and Note-taker. Includes an SD Card, Charger and a USB cable | Can be used by students with Visual Impairment |  |
|  | For learners with Hearing Impairment |  |  |  |
| 20 | Alphabet Finger Spelling Chart | - Kinyarwanda Sign Language <br> - Printed on a plastic paper <br> - Format: AI <br> - A chart with two hanging holes <br> - Images should be clear and accurate <br> - Each sign should be in its own cell <br> - The alphabet are signed palm out | Sign Language is a vision gestural language used by the deaf for communication |  |


| 21 | Rwandan <br> Numeric Finger <br> Spelling Chart | - Rwandan Numeric Sign Language <br> - Printed on a plastic paper <br> - Format: AI <br> - A chart with two hanging holes <br> - Numbers: I to 1000 <br> - Images should be clear and accurate <br> - Each sign should be in its own cell <br> - The numbers are signed palm in | Sign Language is a vision gestural language used by the deaf for communication |  |
| :---: | :---: | :---: | :---: | :---: |
| 22 | $\begin{array}{ll} \hline \text { Sign } & \text { Language } \\ \text { DVD } \end{array}$ | 10 DVD with basic of Sign Language | Used to teach basic of Rwanda Sign Language |  |
| For Learners with Physical Disabilities |  |  |  |  |
| 23 | Wheel Chair | This is a ready made wheelchair that can be bought from the <br> Rotary Clubs. <br> A framed table can be fixed in front of the learner to help in supporting the reading and writing materials. | assist in mobility; <br> - promote good posture when reading or writing; <br> - provide a table for supporting writing and reading materials; <br> - enable a leaner who has difficulty in sitting on a normal chair. |  |
| 24 | Book Holder | This is a wooden board measuring 360 mm $\times 305 \mathrm{~mm}$. It can be adjusted using hinges and a <br> support at the back. Clips or a stopper can be used to keep the book in position. | This can be used to hold one book or paper while reading, writing or drawing. |  |
| Equipment |  |  |  |  |


| 25 | Computers | Brand: HP <br> Processor: i3 <br> RAM : 4 GB <br> Storage: ITB <br> Screen : 14 inch <br> WEBCAM WIFI | Supporting mainly secondary school students with varying needs |  |
| :---: | :---: | :---: | :---: | :---: |
| 26 | Accessibility Software package | Text to speech app, JAWs, Go talk | Can be used by students with different disabilities to access educational content |  |
| 27 | Smart TV | TV Type Android TV <br> Screen Size $65 \mathrm{Inch}(147 \mathrm{~cm})$ <br> Screen Resolution $\quad 4 \mathrm{~K} 3840 \times 2160$  <br> Aspect Ratio $16: 9$ <br> Motion Rate 60 Hz <br> Viewing Angle $178^{\circ} / 178^{\circ}$ | teaching diverse concepts; <br> - revision of previously learnt materials; <br> - developing cognitive skills. |  |
| 28 | Projector | LCOS Projector WUX5800 | Used to facilitate education of children with disabilities |  |
| 29 | Office table | L-Type shaped Single workstation desk. Overall desk size to be $1400 \times 1200$ $\times 720 \mathrm{~mm}$ being the main desk. The desk to be made of HPM (High Pressure Melanine) surface finish and the front side to be finished in polyurethane edge of ergonomic design. The desk to have a perforated modesty steel panel at the front and side supported on the desk legs. The top work | Will be used by the resource room manager |  |


|  |  | surface to be 30 mm thick and to stand on three steel legs. The whole desk should have a comprehensively elaborate cable management system. Cables to pass through the desk legs. The desk should come with a mobile pedestal of overall size $390 \times 540 \times 565 \mathrm{~mm}$. The mobile pedestal to be made of steel and to be divided into three compartments. It should have castors at the base and fix tables for easy movement and standing. Left side working |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 30 | Office chair | Size of Chair: Arm Height: between (6472) cm High, Seat Size: $(50 \mathrm{~W} \times 48 \mathrm{D}) \mathrm{cm}$, Seat Height: $(46-55 \mathrm{~cm})$ High, Overall Size: $(68 \mathrm{~W} \times 68 \mathrm{D} \times 78 \mathrm{H}) \mathrm{cm}$ | Will be used by the resource room manager |  |
| 31 | Waiting chair | 0.6 meters over all wide, 0.63 meters total depth and 0.93 meters height - The frame is made of high quality steel with a protective coating - The seat and back rest are made from buffalo leather with a durable coating | Will be used by students as they wait for assessment |  |


| 32 | Office <br> Cabinet | Filing | Durable office metal File Cabinets For 5 <br> Drawer Lateral File Cabinet, 2 upper glass <br> windows | Will be used to keep students <br> Individual Education Plans/ students <br> assessment report |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 33 | Screen projector | Screen height from lens center to top. <br> C: Screen height from Iens center to <br> bottom. 60 type (inch), I.5m. 70 type (inch) | Will be used to display content <br> from the computer |  |

