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| **Why** | Alberta Children’s Hospital staff and clinicians are known for being innovative and person centred. This is something we are proud of. We also know we can always do better!  We would like to launch an “Innovation Challenge” where we involve clinicians, front line staff, children, youth and families to help us solve our innovation challenge.  We know that the best ideas come from the most unlikely places. |
| **What** | During the innovation challenge, hosted by the KidSIM lab, we will ask the clinicians, frontline staff, children, youth, families and other partners what ideas they have to address:  **How can we leverage 3D printing to provide the best clinical and/or education idea to enhance the child, youth and family experience?**  We want as many ideas as possible and then key sponsors (moderating panel) will vote on the top ideas. We can print 4 designs (either 4 ideas or 2 ideas x twice)  This challenge will run over a 30 day period. |
| **When** | **September to November 2018**   |  |  | | --- | --- | | September 1 - 30 | Build awareness that innovation challenge is coming (video, meeting with teams on site) | | October 1 – November 1 | GO DATE (Output platform ready to take in ideas) | | November 7 - 15 | Moderating panel (local) pick top 2-4 ideas | | November 15 – December 15 | Implementation Phase | | January 2019 | Evaluation and sharing outcomes | |
| **How** | Identify several champions at the ACH to lead this challenge.  A brief that describes an opportunity or challenge will be shared with all ACH staff, patients and families.  Ideas will flow in via Output over a 4 week period.  Those ideas are prioritized by champions and children/youth/family representatives in one week.  The top ideas will go through a SPRINT; an approach that helps answer critical questions through rapid prototyping and user testing.  Local champions will be link to support testing and iterations with clinical areas.  Successful prototypes will receive support for further implementation. |
| **Cost** | This is a partnership between:   * Champions at ACH * KidSIM Simulation Program at ACH * Alberta Children’s Hospital Foundation * Output * AHS Design lab   Costs for platform and two sprints:  $ 80,000 supported by a donor initiated opportunity for Output crowdsourcing software through the Alberta Children’s Hospital Foundation  Local ACH staff: 4-5 staff (from diverse areas) – 2 hrs a week from September 15 – November 1.  Design Lab support with weekly huddles |