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| Lesson | Student Activities |
| 1Introduction | Students examine commercial pop-up books and explore pop up structure and function. |
| 2Reverse Engineering | Students remove parallel-fold pop ups from commercial books and reverse engineer them into transparent books.  |
| 3Parallel Fold DC | Students create and troubleshoot parallel-fold pop ups that remain in the book when closed, consider trade-offs between height, motion, and location. |
| 4Parallel Fold DC | Students create parallel-fold pop ups that: (a) pop to a maximum height, (b) do not pop at all, (c) pop in the center of the book, and (d) pop on the right side of the book.  |
| 5Parallel-Fold Prototypes | Students build a pop-up prototype using what they learned in the parallel-fold design challenges. |
| 6Reverse Engineering | Students remove angle-fold pop ups from commercial books and reverse engineer them into transparent books.  |
| 7Angle Fold DC | Students create angle-fold pop ups that: (a) pop to a maximum height, and (b) pop at different locations in the book (i.e., the left or right side).  |
| 8Angle-Fold Prototypes | Students build a pop-up prototype using what they learned in the angle-fold design challenges. |
| 9-10Putting It All Together | Students design and author their own five-page pop-up books using a variety of resources from the unit (e.g., graphic organizers, prototype pop ups, commercial books, and Sketchbooks).  |

*Note.* DC = design challenge