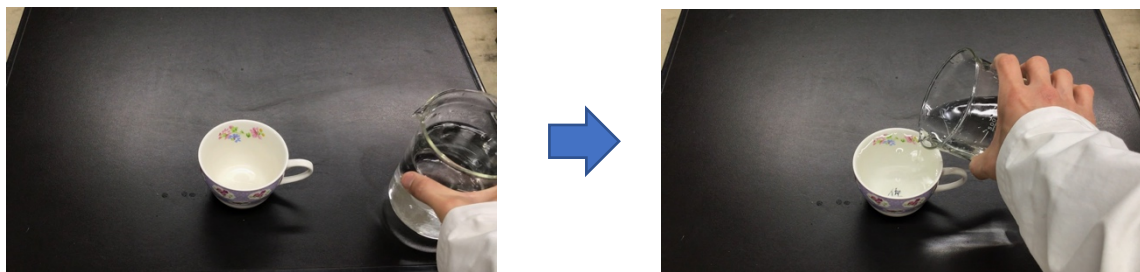


光の屈折① (資料編)

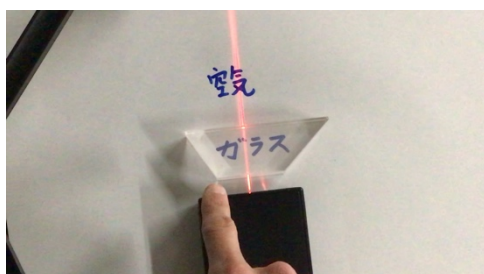
実験1 何も入っていないはずなのに

https://drive.google.com/open?id=1a4fVuo4jMHUF3zq3FN-IK_KIZptj4tA9

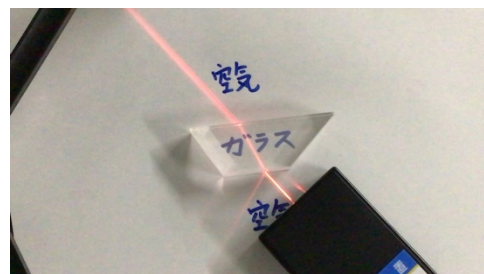


基礎知識 光の屈折・・・物質の境界の面で光が曲がる現象

https://drive.google.com/open?id=17w4EKEpGZJHyMY6SyL2S8j8LUjo_mnQu



面に垂直に入射→屈折しない

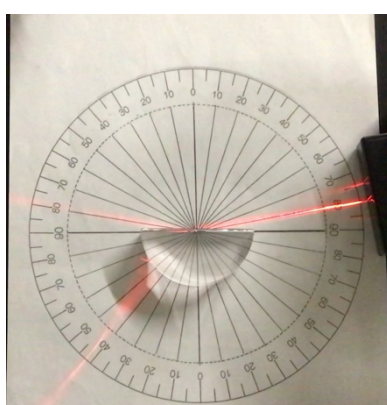
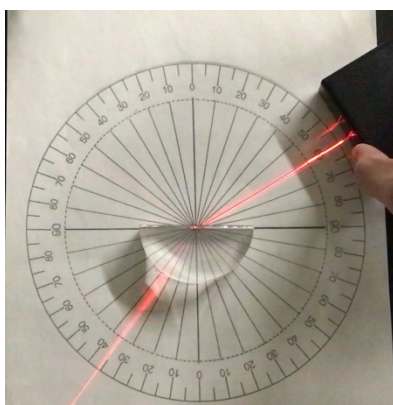
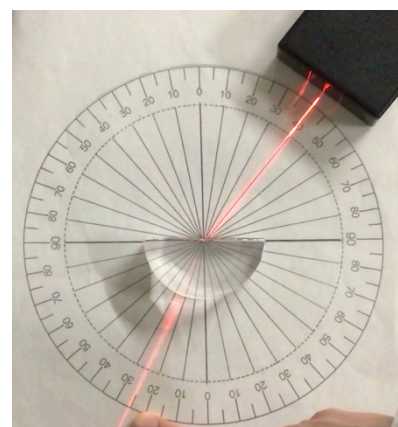
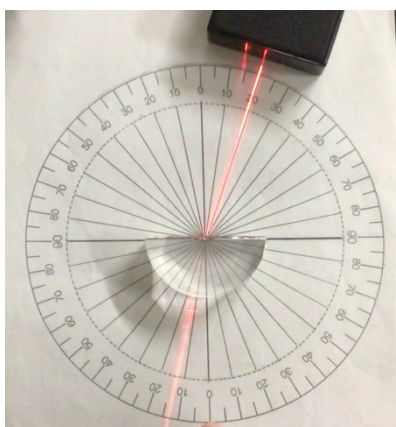
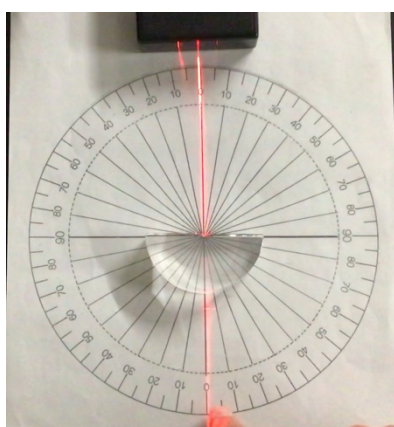


面に斜めに入射→屈折する

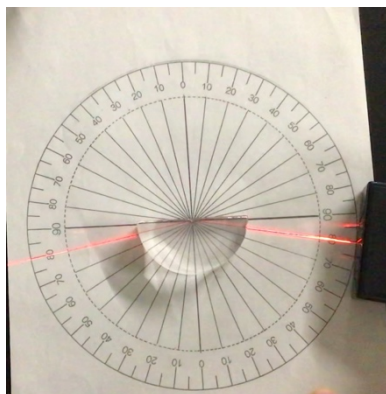
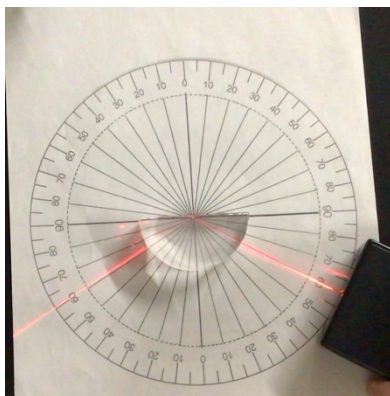
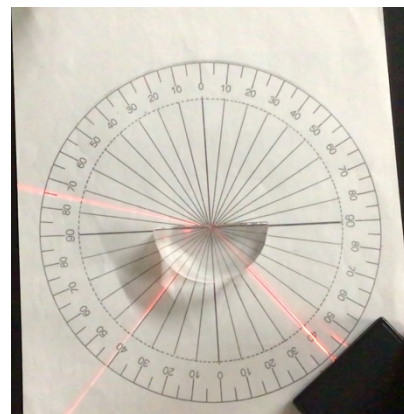
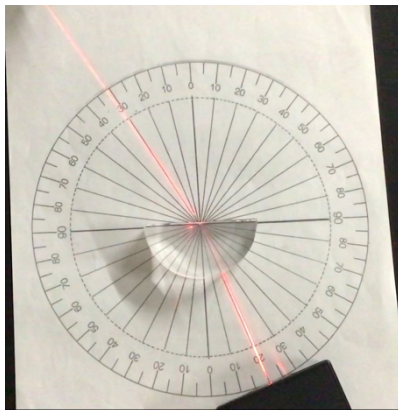
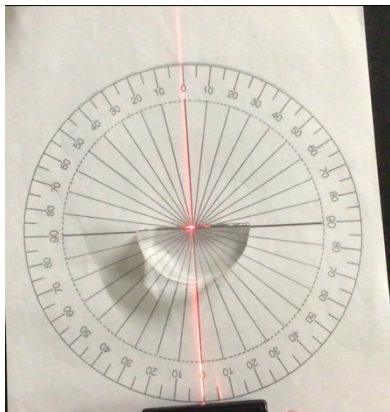
実験2 光が屈折する時の、入射角と屈折角の関係を調べよう

<結果>

○空気からガラス <https://drive.google.com/open?id=1yQZJCjM5S49NiI50FTU03i3NJGbTbTZH>

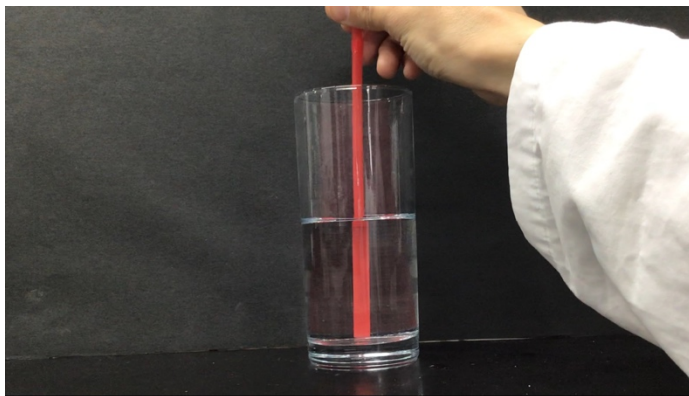


○ガラスから空気 <https://drive.google.com/open?id=1ZV3L5uF44TZyZAgGQYHnco7qqycktXvC>



考えてみよう 太さが変わるストロー

https://drive.google.com/open?id=1pxWRXqxwcZgCx_wHc0-sr9mII1RZE4mk



おまけ 光ファイバーの仕組み

https://drive.google.com/open?id=15ReUn859JyQCs_AMgDdUJO1tos5qM-BS

