

```

{
  "frames": {
    "video-config": {
      "kind": "exp-video-config",
      "troubleshootingIntro": "If you're having any trouble or would like us to walk you through setup, please email simmonse3@sacredheart.edu."
    },
    "video-consent": {
      "kind": "exp-lookit-video-consent",
      "template": "consent_005",
      "PIName": "Elizabeth Schoen Simmons",
      "institution": "Sacred Heart University",
      "PIContact": "Elizabeth Schoen Simmons (203) 365-4519",
      "purpose": "The purpose of this study is to investigate how infants and toddlers, with varying spoken language skills, learn patterns in language while viewing pictures, sounds, or movies.",
      "procedures": "If you decide to allow your child to participate in this study, they will be asked to observe patterns that are displayed on the computer screen. These patterns will be presented as sequences of sounds, images or movies. You will be asked to complete a series of questionnaires about your toddler's development which will take about 30 minutes.",
      "risk_statement": "While there are minimal physical risks associated with this study there is the possible risk of loss of confidentiality. Every effort will be made to keep your information confidential; however, this cannot be guaranteed. There is always a small risk that data transmitted over the internet may be intercepted or that the security of stored data may be compromised. No video clips will be published or shared unless you allow this when selecting a privacy level. If we do not receive consent for this session and cannot verify that you agreed to participate, no other video from your session will be viewed.",
      "voluntary_participation": "You and your child are free to choose whether to be in this study. If you and your child choose to participate, it's okay to stop at any point during the session. Please pause or stop the session if your child becomes very fussy or does not want to participate!",
      "payment": "Your child will be paid for taking part in this study. On behalf of your child, you will be paid $10 either through the website that the study is hosted on, or through a gift card that will be emailed to you by one of our researchers as a thank you for taking part in our study.",
      "datause": "We are also using a web-based version of a toddler vocabulary measure that was adapted by Stanford University. Your child's de-identified vocabulary information (e.g., the words your child says) will be shared with researchers at Stanford University so that they can better refine this online tool. The information will be de-identified and no identifying information about your child will be stored by scientists at Stanford University.",
      "include_databrary": false,
      "gdpr": false,
      "research_rights_statement": "This study is run by Dr. Elizabeth Schoen Simmons of Sacred Heart University. If you or your child have any questions or

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concerns about this study, or in the very unlikely event of a research-related issue, please contact Dr. Simmons at [simmonse3@sacredheart.edu](mailto:simmonse3@sacredheart.edu) (203) 365-4519. If you or your child have any questions or concerns about the Lookit platform, please contact Kim Scott at [kimscott@mit.edu](mailto:kimscott@mit.edu) or 617-324-4859. If you have concerns about the treatment of research participants, you can also contact the Sacred Heart University Institutional Review Board, 5151 Park Ave., Fairfield, CT 06825. The phone number is (203) 396-8454. The email address is [carlj@sacredheart.edu](mailto:carlj@sacredheart.edu)."

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    },
    "pre-study": {
      "kind": "exp-lookit-text",
      "blocks": [
        {
          "emph": true,
          "text": "Important: Your toddler doesn't need to be with you yet. It's fine if your toddler is playing nearby until the videos start!",
          "title": "Here's what we will do in this study!"
        },
        {
          "text": "<strong>Consent form:</strong> You'll read some information about the study. If you want to participate, you'll read a statement out loud to agree."
        },
        {
          "text": "<strong>Instructions and preview:</strong> We'll give you some more information about what to expect, and you can watch an example video ahead of time if you want."
        },
        {
          "text": "<strong>Setup:</strong> You'll get your toddler positioned in front of the screen to watch the videos."
        },
        {
          "text": "<strong>The study:</strong> Your toddler watches some videos of shapes as they are named. At the end of the study, your toddler will be asked to look at or point to the shapes when named. This takes about 5 minutes."
        },
        {
          "text": "<strong>Wrap-up:</strong> You can choose a privacy level for your videos and enter any feedback you have about the study."
        },
        {
          "text": "<strong>Questionnaires:</strong> You will receive links to complete two questionnaires about your child's language and social communication skills. Links will be sent through Lookit within 2 business days. You will receive your study giftcard after completing the questionnaires."
        }
      ]
    },
  },
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"instructions-preview": {
  "kind": "exp-lookit-stimuli-preview",
  "blocks": [
    {
      "emph": true,
      "title": "Instructions and Preview"
    },
    {
      "emph": true,
      "text": "Reminder: Your toddler does not need to be with you until the
videos begin. Now, let's go over the study!"
    },
    {
      "text": "During this study, we will present your child with silly shapes and the
names for these shapes. We will record where they are looking on the screen. At the
end of the study, we will ask your toddler to look at or point to one of the shapes when it
is labelled."
    },
    {
      "text": "Don't worry if your toddler isn't looking at the screen the entire time!
What's important is that your toddler is in front of the screen the whole time and can
look freely. We made it as short as we could, in the hopes your toddler won't get bored!"
    },
    {
      "text": "If you'd like to view the kind of videos that your toddler will see, you
can do that now."
    }
  ],
  "baseDir": "https://raw.githubusercontent.com/ToLL-Lab/lookit-stimuli-for-TocS/
master/",
  "stimuli": [
    {
      "video": "preview_study",
      "caption": "Here's an example of what one of the videos will look like!
Please note, the shapes and words in the actual study video will be different!"
    }
  ],
  "videoTypes": [
    "webm",
    "mp4"
  ],
  "skipButtonText": "Skip preview",
  "previewButtonText": "I'd like to preview the videos",
  "showPreviousButton": true
},
"final-instructions": {
  "kind": "exp-lookit-instructions",

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"blocks": [
  {
    "text": "<strong>Reminder: The video section will take less than 6 minutes
to complete. After that, you will be able to select a level of privacy for your data. You will
receive a message through Lookit with the links to the questionnaires within 2 business
days of experiment completion.</strong>"
  },
  {
    "title": "Pausing and stopping",
    "listblocks": [
      {
        "text": "If your toddler gets fussy or distracted, or you need to attend to
something for a moment, you can pause the study by pressing the <strong>x</strong>
key on the keyboard."
      },
      {
        "text": "If you need to end the study early, try closing the window and
you should see an <strong>exit</strong> option appear. You'll be prompted to note any
technical problems you might be experiencing and to select a privacy level for your
video."
      }
    ]
  },
  {
    "text": "Please turn the volume up so it's easy to hear but still comfortable.",
    "title": "Test your audio",
    "mediaBlock": {
      "text": "Make sure you and your toddler can hear the audio before you
begin!",
      "isVideo": false,
      "sources": [
        {
          "src": "https://raw.githubusercontent.com/ToLL-Lab/lookit-stimuli-for-
TocS/master/ogg/test_audio.mp3",
          "type": "audio/mp3"
        },
        {
          "src": "https://raw.githubusercontent.com/ToLL-Lab/lookit-stimuli-for-
TocS/master/ogg/test_audio.ogg",
          "type": "audio/ogg"
        }
      ],
      "mustPlay": true,
      "warningText": "Please try playing the sample audio."
    }
  }
],

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    "nextButtonText": "Set up instructions"
  },
  "cam-setup": {
    "kind": "exp-lookit-text",
    "blocks": [
      {
        "title": "Here is how we will set up the study:"
      },
      {
        "text": "Please make sure your toddler is in a high chair or booster seat
        facing the computer screen at all times. We recommend that you seat your toddler
        about an adult arm's length away from the screen."
      },
      {
        "text": "You may watch along with your toddler, but please refrain from
        pointing to the screen or repeating the words! As a reminder - don't worry if your toddler
        isn't looking at the screen the entire time!"
      },
      {
        "text": "If they get really distracted you may provide some verbal
        encouragement like <strong>Look at the screen!</strong> or <strong>Almost done!
        Keep looking!</strong>"
      },
      {
        "image": {
          "alt": "Toddler in a High Chair!",
          "src": "https://raw.githubusercontent.com/ToLL-Lab/lookit-stimuli-for-
          TocS/master/img/setup.jpg"
        }
      }
    ],
    "nextButtonText": "Next",
    "showPreviousButton": false
  },
  "webcam-display": {
    "kind": "exp-lookit-webcam-display",
    "blocks": [
      {
        "title": "It's time to get your toddler!",
        "listblocks": [
          {
            "text": "Please place your toddler in the high chair or booster seat
            centered at the computer, about an adult arm's length away from the screen."
          },
          {
            "text": "Check to make sure that your toddler is visible in the webcam
            view on the screen and that your toddler is positioned so that the camera can still
  
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capture your child's face even if they wiggle. Try to keep them centered in the webcam!"

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    },
    {
      "text": "Once you're all set, you can begin!"
    }
  ]
},
],
"nextButtonText": "Start the videos! \n (At this time, your child should be in their
high chair or booster seat!)",
"showPreviousButton": false,
"displayFullscreenOverride": true,
"startRecordingAutomatically": false
},
"trials": {
  "kind": "choice",
  "sampler": "random-parameter-set",
  "frameList": [
    {
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        "loop": "false",
        "source": "VIDEO1",
        "position": "fill"
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        "source": "VIDEO2",
        "position": "fill"
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    },
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        "loop": "false",
        "source": "VIDEO3",
        "position": "fill"
      }
    },
    {
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        "loop": "false",
        "source": "VIDEO4",
        "position": "fill"
      }
    }
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},
{
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    "video": {
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    }
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  {
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      "source": "VIDEO6",
      "position": "fill"
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      "loop": "false",
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      "position": "fill"
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  {
    "video": {
      "loop": "false",
      "source": "VIDEO9",
      "position": "fill"
    }
  },
  {
    "video": {
      "loop": "false",
      "source": "VIDEO10",
      "position": "fill"
    }
  }
],
"parameterSets": [
  {
    "VIDEO1": "1_a_training",
    "VIDEO2": "2_a_training",
    "VIDEO3": "3_a_training",
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    "VIDEO4": "4_a_training",
    "VIDEO5": "5_a_training",
    "VIDEO6": "6_a_training",
    "VIDEO7": "1_a_test_with_instructions",
    "VIDEO8": "2_a_test",
    "VIDEO9": "3_a_test_with_instructions",
    "VIDEO10": "4_a_test_with_all_done"
  },
  {
    "VIDEO1": "1_b_training",
    "VIDEO2": "2_b_training",
    "VIDEO3": "3_b_training",
    "VIDEO4": "4_b_training",
    "VIDEO5": "5_b_training",
    "VIDEO6": "6_b_training",
    "VIDEO7": "1_b_test_with_instructions",
    "VIDEO8": "2_b_test",
    "VIDEO9": "3_b_test_with_instructions",
    "VIDEO10": "4_b_test_with_all_done"
  }
],
"commonFrameProperties": {
  "kind": "exp-lookit-video",
  "baseDir": "https://raw.githubusercontent.com/ToLL-Lab/lookit-stimuli-for-TocS/master/",
  "pauseKey": "x",
  "pausedText": "Study paused! \n\n Press the x key to resume.",
  "testCount": 2,
  "audioTypes": [
    "mp3",
    "ogg"
  ],
  "pauseAudio": "study_paused_final",
  "pauseVideo": "swirl",
  "videoTypes": [
    "mp4",
    "webm"
  ],
  "autoProceed": true,
  "unpauseAudio": "resuming_study_final",
  "backgroundColor": "white",
  "requiredDuration": 0,
  "restartAfterPause": true,
  "requiredAudioCount": 0,
  "requiredVideoCount": 1,
  "pauseKeyDescription": "X"
}

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    },
    "exit-survey": {
      "kind": "exp-lookit-exit-survey",
      "debriefing": {
        "title": "We appreciate the time you and your family has spent completing our
study!",
        "blocks": [
          {
            "title": "",
            "image": {
              "src": "https://raw.githubusercontent.com/ToLL-Lab/lookit-stimuli-for-
TocS/master/img/thank_you.jpg",
              "alt": "Thank you!"
            }
          }
        ],
      },
      {
        "title": "What we did",
        "text": "This study evaluated whether toddlers could learn the names for
new shapes without explicit instructions, just through pattern detection called statistical
learning. We did this by presenting two shapes and two labels at a time during the
training phase. At the end of the study, or test phase, your toddler was asked to look at
or point to a shape when labelled. We will measure how much time your toddler looks at
each of the shapes during the test phase to determine if they learned the names using
the patterns presented. There are many reasons why toddlers look at or point to
objects. Sometimes they like the color or it reminds them of their favorite toy. This is why
we aggregate your toddler's data with data from lots of other toddlers to obtain average
trends. We will then use the information collected from the questionnaires to see if there
are any relationships between learning the patterns and language skills. Are you
interested in learning more about how infants and toddlers learn patterns from their
environment? If so, check out a talk by Dr. Linda Smith from Indiana University at
Bloomington. Our study was modeled after her work. <a href = https://
www.youtube.com/watch?v=NRtGKgm2Pz8 target=_blank>Click here to
listen to her talk!</a>"
      },
      {
        "title": "Final steps: Questionnaires",
        "text": "We will message you through Lookit within 2 business days with
the links to the questionnaires about your toddler's language and communication skills.
These two questionnaires will take about 30 minutes and do not require your toddler to
be present. Please complete the questionnaires within 7 days. Once we receive your
questionnaires, we will send you a $10 gift card code for Amazon.com."
      },
      {
        "title": "Please share!",
        "text": "Did you enjoy our study? If so, please feel free to share it with
your friends! We would appreciate it. If you do share, please do not give them study
specifics. Instead you could simply say the study investigates how toddlers learn the

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names of shapes."
    }
  ]
}
},
"sequence": [
  "video-config",
  "pre-study",
  "video-consent",
  "instructions-preview",
  "final-instructions",
  "cam-setup",
  "webcam-display",
  "trials",
  "exit-survey"
]
}
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